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SHUMWAY'S

SEEDS AND BULBS

Spring
1933

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JAN 18 1933
U. S. Department of Agriculture

VEGETABLE
SEED TRIALS
OF HORTICULTURE
JAN 18 1933

R.H. SHUMWAY
ROCKFORD, ILL.
FOUNDED 1870

← **IMPERATOR CARROT**
Pkt., 15c; oz., 25c,
postpaid.

**SHUM-
WAY'S
MAR-
VELOUS
PEAS**

Pkt., 15c; ½
lb., 30c; lb.,
50c, post-
paid.

**PENCIL POD
WAX BEANS**

Pkt., 10c; ½ lb.,
17c; 1 lb., 30c,
postpaid.

← **GOLDEN
YELLOW
PONDEROSA
TOMATO**

Pkt., 10c; ½ oz.,
30c; oz., 50c,
postpaid.

**VICK'S SCARLET GLOBE
RADISH**

Pkt., 7c; oz., 15c; ¼ lb., 30c;
½ lb., 50c; lb., 85c, postpaid.



R. H. SHUMWAY
Founder

To Our Customers and Friends, Greetings



M. R. SHUMWAY
President & General Manager

FOR 63 YEARS Shumway's has been a household name in the winter months when people are making out their orders for seeds for spring planting. We value this heritage and make every effort possible to justify the confidence of our many customers and friends. In the pioneer days, our founder, R. H. Shumway, knew well the responsibility placed upon him for supplying quality seed only. His untiring efforts were based on the foundation of honesty and square dealing. We now assure you that this important ideal is being carried on as our policy.

Our seeds are all *selected* for type and *tested* for germination. In many cases the principle of single plant selection is followed to attain exceptional trueness to type. We offer new strains and developments as soon as they have satisfied thorough growing tests and proved their value. Every precaution is used to make sure that your seeds will reach you in the best of condition, therefore we *guarantee* the safe arrival of orders to all of our customers throughout the United States and its possessions.

You will find our *prices lower* than ever this year, and the *quality up* to the *highest standards*.

We hope that you will be pleased with our 1933 Book, for we have tried to make it not merely a catalog, but a

useful garden guide as well. For your convenience the page size has been reduced and the number of pages increased. The cultural directions are more complete and the descriptions of varieties more detailed. There are four additional full-page plates of vegetables and flowers in their natural colors, and many new illustrations. We sincerely trust that this book will help you to greater success from your gardening efforts.

To our customers, old and new, we extend assurance of our most faithful service and careful attention, whether the order is large or small. We are deeply grateful to our old friends for their continued patronage and confidence, and we hope that our new customers will find equal satisfaction in their relations with us.

Very cordially yours,
R. H. SHUMWAY, *Seedsman*

M. R. Shumway
President

GENERAL INFORMATION and TERMS

Order early. It is advisable to order early. By doing so you will be sure of immediate attention, and you will have your seeds ready when you want to plant them.

Remittances. Remittances must accompany orders. They should be made by postal or express money order, bank draft, or check. If currency is used, the letter should be registered. For amounts less than a dollar, stamps are acceptable. No C. O. D. shipment will be made unless 25% of purchase price accompanies the order.

Postage and express. We prepay charges on all shipments, except in the case of orders from wholesale pages 2 and 3— or where otherwise specified.

Free Packages. With all orders we enclose trial packages of seeds for trial. Let us know how you come out with them.

Our Responsibility. We guarantee safe arrival of the goods and accurate filling of the order. No substitutions are made unless the customer specifies them.

Poor weather and soil conditions, lack of attention, improper methods of cultivation are the usual causes of failures, therefore, if after reasonable consideration you feel that the fault was with the seed of any item, and not with any of these factors which are beyond our control, we will assume responsibility up to the amount of the purchase price of that item only. At any time during the current growing season, we will replace the seed or refund the money, at your option.

Therefore it is mutually agreed we give no warranty, expressed or implied, as to purity, description, quality, productiveness, or any other matter, of seeds or bulbs sent out, and will not be in any way held responsible for the crop.

MARKET GARDENERS and TRUCKERS

1933 WHOLESALE BULK PRICES (Not Prepaid)

The purchaser must pay transportation charges when seeds are ordered at these prices. No charge will be made for bags or boxes.

BEANS	50 lbs. at 100 lbs. rate			
	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Bountiful	\$0.75	\$1.40	\$3.25	\$12.00
Full Measure .....	.70	1.30	3.00	11.00
Tennessee Green Pod .....	.70	1.30	3.00	11.00
Refugee or 1000 to 1 .....	.60	1.10	2.50	9.00
Burpee's Stringless .....	.75	1.40	3.25	12.00
Dwarf Horticultural .....	.75	1.45	3.35	12.50
Black Valentine .....	.60	1.10	2.50	9.00
Giant Stringless .....	.65	1.20	2.75	10.00
Imp. Round Pod Valentine .....	.60	1.10	2.50	9.00
Pencil Pod Black Wax .....	.70	1.30	3.00	11.00
Improved Golden Wax .....	.75	1.40	3.25	12.00
Prolific Black Wax .....	.70	1.30	3.00	11.00
Brittle Wax .....	.80	1.50	3.50	13.00
Sure Crop Stringless .....	.75	1.40	3.25	12.00
Shumway's Rust Proof .....	.80	1.50	3.50	13.00
Wardwell's Kidney Wax .....	.75	1.40	3.25	12.00
Davis White Kidney Wax .....	.75	1.40	3.25	12.00
Old Homestead .....	.75	1.45	3.35	12.50
Golden Pod Wax Pole .....	.90	1.70	4.00	15.00
Burger's Stringless .....	.85	1.60	3.75	14.00
Cut Short or Cornfield .....	.75	1.40	3.25	12.00
Golden Cluster Wax .....	.75	1.40	3.25	12.00
White Creaseback .....	.75	1.45	3.35	12.50
Lazy Wife Pole .....	.75	1.45	3.35	12.50
King of the Garden .....	.95	1.75	4.25	16.00
Large White Lima .....	.95	1.75	4.25	16.00
Early Leviathan Lima .....	.95	1.75	4.25	16.00
Seibert's Early Lima .....	.95	1.75	4.25	16.00
Jackson Wonder .....	.80	1.50	3.65	14.00
Shumway's Early Giant	1.15	2.20	5.25	20.00
Sieva or Carolina .....	.75	1.40	3.25	12.00
Wood's Prolific .....	.75	1.40	3.25	12.00
Fordhook Bush Lima	1.45	2.85	7.00	27.00
Imp. Burpee's Bush Lima	1.20	2.30	5.65	22.00
Henderson's Bush Lima .....	.80	1.50	3.50	13.00
Shumway's White Mexican .....	.60	1.10	2.50	9.00
Large White Marrow .....	.65	1.20	2.75	10.00
White Navy Field (Robust) .....	.40	.75	1.65	6.00
Long White Kidney .....	.70	1.30	3.00	11.00
Long Red Kidney .....	.60	1.10	2.50	9.00

PEAS	50 lbs. at 100 lbs. rate			
	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Little Marvel	\$1.00	\$1.95	\$4.75	\$18.00
Hundredfold or Blue Bantam .....	.95	1.85	4.35	17.00
Laxton's Progress .....	.95	1.85	4.35	17.00
Laxtonian .....	.95	1.85	4.35	17.00
Nott's Excelsior .....	.80	1.55	3.80	14.00
Gradus or Prosperity .....	.85	1.65	3.90	15.00
Thomas Laxton .....	.85	1.65	3.90	15.00
Bliss Everbearing .....	.85	1.65	3.90	15.00
Premium Gem .....	.80	1.55	3.80	14.00
McLean's Little Gem .....	.80	1.55	3.80	14.00
American Wonder .....	.80	1.55	3.80	14.00
Sutton's Excelsior .....	.80	1.55	3.80	14.00
Improved Stratagem .....	.85	1.65	3.90	15.00
Champion of England .....	.85	1.65	3.90	15.00
Improved Large Telephone .....	.95	1.85	4.35	17.00
Alderman .....	.95	1.85	4.35	17.00
Dwarf Telephone or Daisy .....	.95	1.75	4.25	16.00
Melting Sugar .....	.95	1.75	4.25	16.00
Alaska .....	.75	1.45	3.25	12.00
Ameer .....	.80	1.55	3.80	14.00
First and Best .....	.80	1.50	3.50	13.00
Large White Marrowfat .....	.80	1.50	3.50	13.00

SWEET CORN	50 lbs. at 100 lbs. rate			
	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Howling Mob	\$0.65	\$1.25	\$3.00	\$11.00
Golden Sunshine .....	.85	1.65	3.75	14.00
Golden Bantam .....	.60	1.10	2.75	10.00
Shumway's Gardener's Ex. E. ....	.75	1.40	3.25	12.00
Golden Gem .....	.95	1.75	4.25	16.00
Whipple's Early Yellow .....	.80	1.50	3.50	13.00
Country Gentleman .....	.75	1.40	3.25	12.00
Stowell's Evergreen .....	.65	1.25	3.00	11.00
Early Evergreen .....	.65	1.25	3.00	11.00
Select White Evergreen .....	.65	1.25	3.00	11.00
Golden Evergreen .....	.65	1.25	3.00	11.00
Mammoth White Cory .....	.65	1.25	3.00	11.00
White Mexican .....	.65	1.25	3.00	11.00
Extra Early Adams .....	.50	.90	2.00	7.50

ASPARAGUS	1/4 lb. 1/2 lb. 1 lb.		
	1/4 lb.	1/2 lb.	1 lb.
Giant or Palmetto	\$0.20	\$0.35	\$0.60
Conover's Colossal .....	.20	.35	.60
Barr's Mammoth .....	.20	.35	.60
Pedigreed Washington .....	.25	.45	.85
Martha Washington .....	.35	.60	1.10

ASPARAGUS ROOTS (2 Years Old)	100 500 1000		
	100	500	1000
Palmetto	\$0.90	\$4.25	\$8.00
Martha Washington	1.25	5.75	11.00
Washington Pedigreed	1.15	5.25	10.00

BEET	1/4 lb. 1/2 lb. 1 lb. 5 lb.			
	1/4 lb.	1/2 lb.	1 lb.	5 lb.
Detroit Dark Red Turnip	\$0.25	\$0.45	\$0.80	\$3.75
Crosby's Egyptian .....	.25	.45	.80	3.75
Extra Early Egyptian .....	.20	.35	.65	2.95
Edmand's Early .....	.22	.40	.75	3.65
Extra Early Model .....	.35	.60	1.10	5.00
Swiss Chard, Lucullus .....	.30	.50	.90	4.00
Extra Early Dark Beauty .....	.30	.50	.90	4.15
Early Wonder .....	.25	.45	.80	3.75
Market Gardener's .....	.20	.35	.65	2.95
Early Eclipse .....	.20	.35	.65	2.95
Crimson Globe .....	.20	.35	.65	2.95
Imp. Ex. Long Dark Blood .....	.20	.35	.65	2.95
Early Dark Blood Turnip .....	.20	.35	.65	2.95
Mammoth Long Red Mangel .....	.15	.25	.45	2.00
Klein Wanzleben .....	.15	.25	.45	2.00
Imperial White Sugar .....	.15	.25	.45	2.00
Golden Tankard Mangel .....	.15	.25	.45	2.00
Globe Shape Mangel .....	.15	.25	.45	2.00
Sludstrup .....	.15	.25	.45	2.00

CABBAGE	1/4 lb. 1/2 lb. 1 lb.		
	1/4 lb.	1/2 lb.	1 lb.
Golden Acre	\$1.20	\$2.30	\$4.50
Glory of Enkhuizen .....	.60	1.10	2.00
Newark Early Dutch .....	.50	.95	1.75
Extra Early Express .....	.50	.95	1.75
Early Summer .....	.50	.95	1.75
Early Winnigstadt .....	.50	.95	1.75
Charleston Wakefield .....	.60	1.10	2.00
Early Jersey Wakefield .....	.60	1.10	2.00
Copenhagen Market .....	.70	1.30	2.50
Wisc. Hollander No. 8 .....	.95	1.80	3.50
Wisc. All Season .....	.85	1.65	3.25
Marion Market	1.45	2.75	5.25
Excelsior Late Flat Dutch .....	.50	.95	1.75
All Seasons .....	.50	.95	1.75
Premium Late Flat Dutch .....	.60	1.10	2.00
Autumn King .....	.45	.85	1.65
Hartman's Reselected Copen	1.15	2.20	4.25
Improved Surehead .....	.50	.95	1.75
Danish Ballhead .....	.70	1.35	2.65
Shumway's Hollander .....	.70	1.35	2.65
All Head Early .....	.50	.95	1.75
Perfection Drumhead Savoy .....	.65	1.20	2.25
Mammoth Red Roek .....	.65	1.20	2.25

CARROTS	1/4 lb. 1/2 lb. 1 lb. 5 lb.			
	1/4 lb.	1/2 lb.	1 lb.	5 lb.
Imperator	\$0.55	\$1.00	\$1.85	.....
Early Chantenay .....	.35	.60	1.15	\$5.25
Nantes or Coreless .....	.35	.60	1.15	5.25
Scarlet Perfection .....	.40	.75	1.35	6.25
Early Market Favorite .....	.35	.60	1.15	5.25
Danver's Half Long .....	.35	.60	1.15	5.25
Early Scarlet Horn .....	.30	.55	1.00	4.65
Oxheart or Guerande .....	.30	.55	1.00	4.65
Early Long Forcing .....	.40	.75	1.35	6.25
Long White Belgian .....	.20	.35	.60	2.75
Improved Long Orange .....	.25	.40	.70	3.00

CAULIFLOWER	1 oz. 1/4 lb. 1/2 lb. 1 lb.			
	1 oz.	1/4 lb.	1/2 lb.	1 lb.
Madsen's Super Snowball	\$2.75	\$9.50	\$18.00	\$35.00
Shumway's Extra Early Snowball	1.65	6.00	11.50	22.00
Extra Early Erfurt	1.40	5.00	9.65	19.00
Dry Weather or Danish Giant	1.40	5.00	9.65	19.00
Veitch's Autumn Giant55	1.60	3.00	5.75

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CELERY

	¼ lb.	½ lb.	lb.
Golden Self Blanching.....	1.30	2.50	4.85
Giant White Solid.....	.65	1.25	2.35
Golden Plume	1.50	2.90	5.65
Kalamazoo .....	.65	1.25	2.35
White Plume .....	.80	1.45	2.75
Giant Pascal .....	.75	1.35	2.60

CUCUMBER

	¼ lb.	½ lb.	lb.	5 lb.
Shumway's Longfellow .....	.55	1.00	1.85	8.75
Early Fortune .....	.30	.55	1.00	4.75
Improved Long Green.....	.35	.60	1.10	4.85
Shumway's Pickling.....	.30	.55	1.00	4.75
Davis Perfect .....	.35	.60	1.10	4.85
Ex. Early Long Green.....	.30	.55	1.00	4.75
Everbearing .....	.25	.45	.80	3.75
White Wonder .....	.50	.95	1.85	...
Short Green .....	.25	.45	.80	3.65
Chicago Pickling .....	.25	.45	.80	3.75
Improved White Spine .....	.25	.45	.80	3.65
Early Green Cluster.....	.25	.45	.80	3.65
Cool and Crisp.....	.25	.45	.80	3.65
Green Prolific .....	.25	.45	.80	3.65
Evergreen White Spine .....	.25	.45	.80	3.65
Fordhook Pickling .....	.25	.45	.80	3.65

ENDIVE

	¼ lb.	½ lb.	lb.
Extra Fine Moss Curled.....	.30	.50	.90
Broad Leaved Batavia.....	.30	.50	.90

KOHL RABI

	¼ lb.	½ lb.	lb.
Early White Vienna.....	.45	.85	1.60
Early Purple Vienna.....	.45	.85	1.60

LETTUCE

	¼ lb.	½ lb.	lb.
Big Boston .....	.38	.70	1.25
Early Curled Simpson.....	.32	.60	1.10
Iceburg .....	.40	.70	1.35
New York .....	.55	1.00	1.85
Grand Rapids .....	.35	.60	1.15
Prizehead .....	.38	.70	1.25
Black Seed Simpson.....	.35	.60	1.15
Paris White Cos.....	.40	.70	1.25
Denver Market .....	.38	.70	1.25
May King .....	.32	.60	1.10
All the Year Round.....	.32	.60	1.10
Giant Crystal Head.....	.50	.95	1.75
Tomhannock .....	.32	.60	1.10
California Cream Butter..	.32	.60	1.10

MUSKMELON

	¼ lb.	½ lb.	lb.	5 lb.
Bender's Surprise .....	.35	.60	1.10	4.85
Hearts of Gold.....	.28	.50	.90	4.15
Sugar Rock .....	.40	.75	1.40	6.75
Burrel's Gem .....	.25	.45	.80	3.65
Tip Top .....	.32	.60	1.10	4.85
Rockyford .....	.25	.45	.80	3.65
Osage .....	.32	.60	1.10	4.85
Golden Lake Champlain .....	.32	.60	1.10	4.85
Early Grand Rapids .....	.30	.50	.90	4.00
Hale's Best or H. B... ..	.32	.60	1.10	4.85
Early Hackensack .....	.30	.50	.90	4.15
Banana .....	.32	.60	1.10	4.85
Milwaukee Market .....	.32	.60	1.10	4.85
Shumway's Giant .....	.55	1.00	1.85	8.75
Princess or Ideal.....	.30	.50	.90	4.00
Honey Dew .....	.40	.70	1.35	6.15

WATERMELON

	¼ lb.	½ lb.	lb.	5 lb.
Klondike .....	.40	.70	1.35	6.00
Stone Mountain .....	.35	.60	1.10	4.85
Harris' Earliest .....	.22	.40	.70	3.00
Imp. Kleckly's Sweet.....	.25	.45	.80	3.50
McIver's Wonder Sugar .....	.22	.40	.70	3.00
Tom Watson .....	.22	.40	.70	3.00
Irish Grey .....	.25	.45	.80	3.50
Golden Honey .....	.35	.60	1.10	4.85
Halbert Honey .....	.22	.40	.70	3.00
Large Striped Gypsy.....	.22	.40	.70	3.00
Fordhook Early .....	.25	.45	.80	3.50

Alabama Sweet .....	.22	.40	.70	3.00
Grey Monarch .....	.25	.45	.80	3.50
Ice Cream .....	.25	.45	.80	3.50
Hungarian Honey .....	.30	.55	1.00	4.50
Florida Favorite .....	.20	.35	.65	2.85

ONIONS

	¼ lb.	½ lb.	lb.	5 lb.
Ailsa Craig .....	.45	.80	1.50	7.00
Australian Brown.....	.32	.60	1.15	5.25
Ebenezer .....	.40	.75	1.40	6.75
Ohio Yellow Globe.....	.45	.80	1.50	7.00
Mammoth Prizetaker .....	.45	.80	1.50	7.00
Red Wethersfield .....	.40	.70	1.35	6.00
Southport White Gl.....	.55	1.05	2.00	9.50
Southport Red Globe .....	.45	.80	1.50	7.00
Southport Yellow Gl.....	.45	.80	1.50	7.00
Sweet Spanish Yellow .....	.65	1.25	2.35	11.00
Sweet Spanish White .....	.90	1.75	3.35	16.00
Silver King Mammoth .....	.50	.90	1.75	8.00
White Portugal .....	.50	.90	1.75	8.00
White Bermuda .....	.65	1.25	2.35	11.00
Crystal White Wax.....	.65	1.25	2.35	11.00
White Queen .....	.50	.90	1.75	8.00
Adriatic Barletta .....	.50	.90	1.75	8.00
White Pearl .....	.50	.90	1.75	8.00
Yellow Globe Danvers .....	.40	.70	1.35	6.00
Yellow Flat Danvers.....	.32	.60	1.15	5.25

ONION SETS

32 lbs. to bu.

	¼ bu.	½ bu.	bu.	5 bu. or more
Red .....	.60	1.10	2.00	@1.75
Yellow .....	.60	1.10	2.00	@1.75
Ebenezer, Yellow .....	.60	1.10	2.00	@1.75
White .....	.65	1.15	2.20	@2.00
Mixed .....	.60	1.10	2.00	@1.75
Golden Globe (New).....	.70	1.30	2.50	@2.35

PARSLEY

	¼ lb.	½ lb.	lb.
Champion Moss Curled.....	.25	.45	.85
Emerald Green .....	.25	.45	.85
Hamburg Rooted .....	.25	.45	.85

PARSNIP

	¼ lb.	½ lb.	lb.	5 lb.
Hollow Crown .....	.25	.40	.75	3.35
Imp. Long Sugar.....	.30	.50	.90	4.00

PEPPER

	¼ lb.	½ lb.	lb.
California Wonder	1.45	2.80	5.50
Chinese Giant	1.45	2.80	5.50
Oshkosh	1.70	3.25	6.00
World Beater	1.10	2.00	3.75
Bullnose or Large Bell.....	.80	1.50	2.85
Pimento .....	.75	1.30	2.50
Harris Early Giant.....	1.35	2.50	4.75
Ruby King .....	.80	1.45	2.60
Mammoth Golden Queen.....	1.30	2.60	5.00
Hungarian Yellow	1.75	3.35	6.50
Long Red Cayenne.....	1.10	2.10	4.00
Small Red Chili.....	1.15	2.20	4.25

PUMPKIN

	¼ lb.	½ lb.	lb.	5 lb.
Large Conn. Field.....	.20	.35	.60	2.50
Kentucky Field .....	.18	.30	.50	2.00
Mammoth Jumbo .....	.40	.75	1.40	6.50
Tenn. Sweet Potato.....	.35	.60	1.10	5.00
Large Cheese .....	.18	.30	.50	2.00
Sugar .....	.22	.40	.75	3.25
Winter Luxury .....	.30	.55	1.00	4.50
Cushaw Striped .....	.30	.55	1.00	4.50
Japanese Pie .....	.30	.55	1.00	4.50

RADISH

	¼ lb.	½ lb.	lb.	5 lb.
Shumway's Beauty .....	.32	.60	1.10	5.00
Vick's Scarlet Globe.....	.22	.40	.70	3.25
Sparkler .....	.20	.35	.65	3.00
Rosy Gem .....	.20	.35	.65	3.00
Icele .....	.22	.40	.70	3.25
French Breakfast .....	.20	.35	.65	3.00
Scarlet Olive .....	.20	.35	.65	3.00
Long Scarlet Short Top .....	.20	.35	.65	3.00
White Strasburg .....	.22	.40	.70	3.25

Golden Globe .....	.22	.40	.70	3.25
Chartier .....	.20	.35	.65	3.00
Deep Scarlet Turnip.....	.20	.35	.65	3.00
Crimson Giant .....	.22	.40	.70	3.25
Non Plus Ultra.....	.20	.35	.65	3.00
White Turnip or Box.....	.22	.40	.70	3.25
White Vienna .....	.20	.35	.65	3.00
Giant White Stuttgart .....	.22	.40	.70	3.25
Japanese Winter .....	.22	.40	.70	3.25
Mammoth White .....	.22	.40	.70	3.25
China Rose .....	.22	.40	.70	3.25
Chinese Stump Root.....	.22	.40	.70	3.25

RUTABAGA

	¼ lb.	½ lb.	lb.	5 lb.
Imperial Hardy .....	.15	.25	.45	2.00
Monarch Swede .....	.15	.25	.45	2.00
White Sweet Russian.....	.15	.25	.45	2.00
Laing's Improved .....	.15	.25	.45	2.00
Skirving's Purple Top .....	.15	.25	.45	2.00

SALSIFY

	¼ lb.	½ lb.	lb.	5 lb.
Sandwich Island .....	.55	1.00	1.85	8.25
Long White .....	.50	.90	1.75	7.50

SPINACH

	lb.	5 lb.	10 lb.	25 lb. or more
Bloomsdale Savoy.....	.40	1.30	2.20	@.20
Victoria or Perfection .....	.35	1.20	2.00	@.18
Prickly Seeded .....	.35	1.20	2.00	@.18
King of Denmark.....	.40	1.30	2.20	@.20
Princess Juliana .....	.40	1.30	2.20	@.20
Monstrous Viroflay .....	.35	1.20	2.00	@.18
Long Standing .....	.35	1.20	2.00	@.18
Nobel Disease Resist.....	.45	1.35	2.30	@.22

SQUASH

	¼ lb.	½ lb.	lb.	5 lb.
Des Moines .....	.40	.75	1.35	6.25
Warted Hubbard .....	.45	.80	1.50	6.50
Golden Hubbard .....	.45	.80	1.50	6.50
Giant Crookneck .....	.32	.60	1.15	5.15
Straightneck .....	.40	.75	1.40	6.15
Cocozelle .....	.35	.65	1.20	5.25
Orange Marrow .....	.25	.45	.80	3.50
White Bush Scallop.....	.25	.45	.85	4.00
Golden Custard .....	.25	.45	.85	4.00
Mexican Banana .....	.40	.75	1.35	6.25
Delicious .....	.45	.80	1.50	6.50
Zucchini .....	.32	.60	1.15	5.15

TOMATO

	¼ lb.	½ lb.	lb.
New Stone Selected .....	.60	1.10	2.00
Dwarf Stone	1.00	1.95	3.75
John Baer .....	.75	1.45	2.75
Chalk's Early Jewel.....	.70	1.30	2.50
Matchless .....	.70	1.30	2.50
Ponderosa	1.35	2.60	5.00
Golden Ponderosa	1.35	2.60	5.00
June Pink .....	.85	1.60	3.25
Norton Wilt Resistant.....	1.00	1.85	3.60
Shumway's Garden King.....	1.35	2.60	5.00
Break o' Day.....	1.35	2.60	5.00
Marglobe	1.10	2.10	4.00
Livingston's Globe .....	.95	1.80	3.50
Bonny Best .....	.70	1.30	2.50
Dwarf Champion or Bush.....	1.00	1.85	3.60
Beauty .....	.70	1.30	2.50
Spark's Earliana .....	.70	1.30	2.50
Perfection .....	.70	1.30	2.50
Golden Queen	1.00	1.95	3.75
Acme .....	.85	1.60	3.00

TURNIP

	¼ lb.	½ lb.	lb.	5 lb.
Purple Top Globe.....	.15	.25	.45	2.00
Golden Globe .....	.18	.32	.60	2.75
Yellow Aberdeen .....	.15	.25	.45	2.00
White Egg .....	.15	.25	.45	2.00
Early Snowball .....	.15	.25	.45	2.00
Extra Early Milan.....	.20	.35	.70	3.00
Purple Top Strap Leaf .....	.15	.25	.45	2.00
Seven Top .....	.15	.25	.45	2.00
Large Flat Dutch.....	.15	.25	.45	2.00
Long White Cowhorn.....	.15	.25	.45	2.00

Asparagus

CULTURE: Asparagus is the most popular and delicious of all the early crops, and the demand for it is increasing yearly. It needs a rich, deep, sandy loam and it may be grown either from seed or roots.

SEED. When Asparagus is raised from seed, a crop can be obtained in three years. It should be sown in the early spring in well prepared soil, after having soaked the seed in warm water for 24 hours. Sow in rows one foot apart and one inch deep. The next spring, place the best of the roots in a permanent bed. One ounce of seed will plant a row 50 feet long; 5 pounds to the acre.

ROOTS. Asparagus roots should be planted in rows about 2 feet apart, and from 12 to 18 inches apart in the row. Place them in trenches about 1½ feet deep and 1 foot wide with several inches of well rotted barnyard manure, as well as rich soil, at the bottom of each trench. Lay the roots in carefully, with the crown in an upright position, and cover to within a few inches of the top of the trench. As the plants grow, fill the trench gradually until it reaches the surface. 100 roots will plant a space 6 ft. x 50 ft.

GIANT OR PALMETTO

A very early, prolific, and dependable type. The large uniformly thick stalks, about 1 inch in diameter, are deep green, excellent quality, deliciously tender and sweet. Rapid grower, and heavy, continuous yielder. Adapted to all localities. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c, postpaid.

CONOVER'S COLOSSAL

One of the standard large varieties of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c, postpaid.

BARR'S MAMMOTH

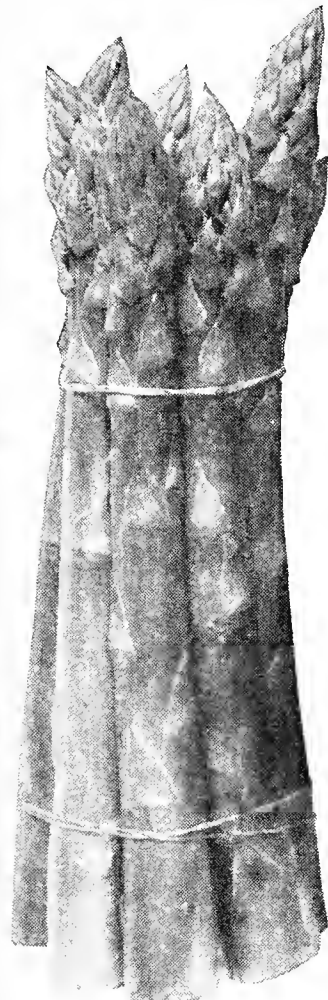
This is a large, quick growing tender variety widely used by many gardeners. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c, postpaid.

PEDIGREED WASHINGTON

This variety is the result of very careful breeding by the Department of Agriculture at Washington, resulting in a strain that is considered rust resistant. The tips are tight and firm and do not begin to branch until the stalk is well above the surface. This feature makes it a very desirable variety for home as well as market use. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00, postpaid.

MARTHA WASHINGTON

A later development of the above, considered rust resistant and equally desirable for market purposes. The tips have a pinkish



Asparagus

Pedigreed Washington

cast. Pkt., 10c; oz., 15c; ¼ lb., 40c; ½ lb., 65c; lb., \$1.25, postpaid.

Asparagus Roots

We offer the following only in strong, healthy, 2 year old roots:

Martha Washington. 45c per doz. \$2.25 per 100. Postage Paid.

Pedigreed Washington. 40c per doz. \$2.00 per 100. Postage Paid.

Palmetto. 35c per doz. \$1.75 per 100. Postage Paid.

50 roots at the hundred rate.

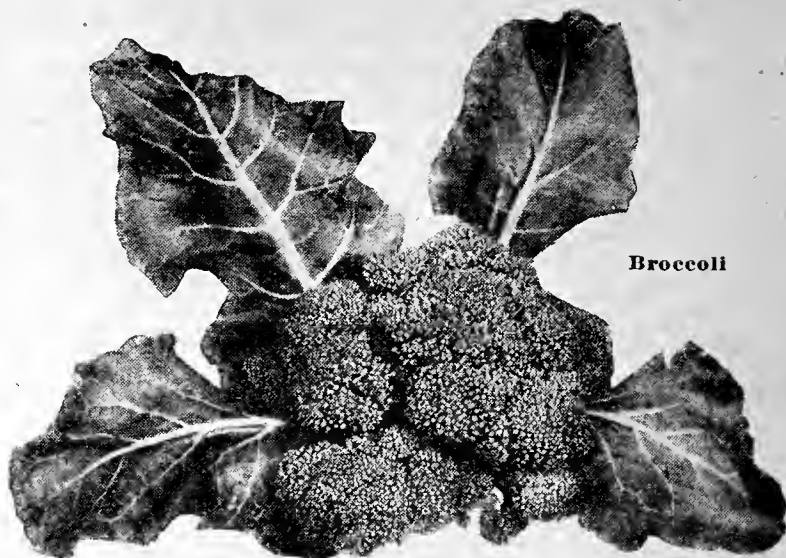
Not prepaid and larger quantities listed on page 2.

Artichoke

CULTURE: A vegetable that is perennial in nature, but should be renewed every 2 or 3 years. The blossoms first become edible in the second year. Seeds may be planted in hot-beds in late winter, or in the open ground after frosts are over. The plants thrive in deep rich soil, and should be set in rows 3 feet apart and 2 to 3 feet apart in the row. If winters are cold, cover crowns with coal ashes and leaves or straw.

LARGE GREEN GLOBE

The choice variety, producing deep green globe-shaped heads. Scales have unique and delicious flavor when served cold as a salad or hot like asparagus. Pkt., 10c; ½ oz., 35c; oz., 60c, postpaid.



Broccoli

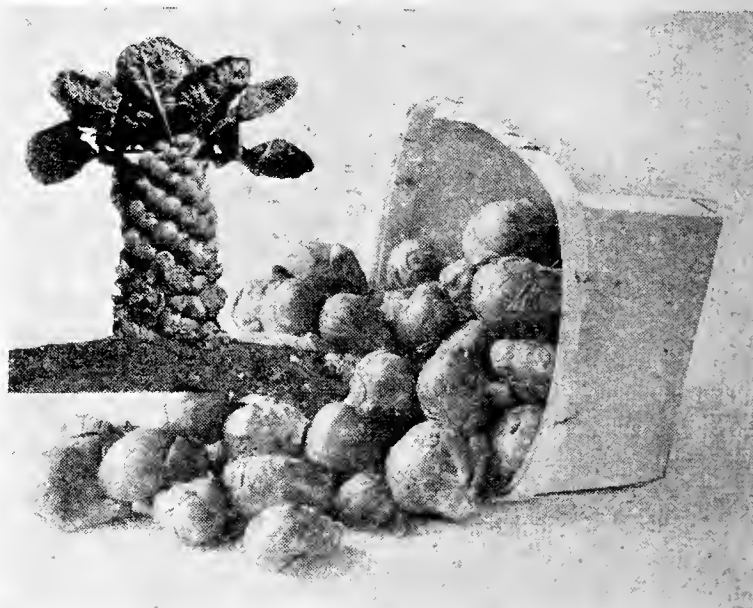
Broccoli

CULTURE: Broccoli requires fertile soil, well drained but of good moisture. It is a heavy feeder; therefore requires a generous quantity of fertilizer, particularly those that are rich in nitrogen. Sow the seed the last of May to the first of June in the seed bed and when about 4 weeks old transplant in rows about 3 feet apart and about 2 feet apart in the row. Broccoli requires 100 to 120 days to maturity.

BROCCOLI—GREEN SPROUTING

An entirely different and distinct vegetable is known on the fancier markets as Broccoli. This has been a favorite in Europe for some time but recently has been introduced to this country. Some people confuse it with Cauliflower thinking that it belongs to that class but there is no similarity whatsoever. It forms a rather loose head made up of flower buds. The plants branch freely and each branch terminates in a head or bud cluster. The center heads are cut first and as the side shoots develop they are cut with about 6 inches of stem and bunched for market. Frequently 5 and 6 cuttings are made from one plant. It is served either hot, or cold as a salad. Very delightful when served with Mayonnaise or Hollandaise sauce. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35; ½ lb., \$2.60; 1 lb., \$5.00, postpaid.

Brussels Sprouts



This has now become one of the very popular vegetables. Its culture is practically the same as that for cabbage, but for late use the seed should be sown in June. The flavor is much improved if allowed to stand until touched by frost. Many desirable dishes are made from Brussels Sprouts, and one of the outstanding ones is to bake them in a casserole with a cheese sauce after the Sprouts have been par-boiled for a half hour. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.40; lb., \$2.35, postpaid.

Beans, Bush Wax, Yellow Pod

CULTURE—Dwarf or Bush: Beans should be planted after the weather has become settled, which is about the middle of May in the latitude of Northern Illinois. Almost any soil will do for beans, but it is better if they can be planted in a rich, sandy loam; the returns will be far greater. The seed should be sown in rows two feet apart and the beans dropped about 3 to 4 inches apart in the row, covering them about 2 inches deep. They should be cultivated as soon as they come through the ground, slightly hilling them when the second and third pair of leaves start to form. This is done to support the plant. Do not cultivate when the dew is on them or immediately following a rain. Beans may be planted in succession about every two weeks up to the first of August. All varieties of beans should be inoculated for vigorous growth and heavy bearing. You will be well compensated for this slight extra expense and effort. Use "Nitragin."

PENCIL POD BLACK WAX

(See colored illustration inside front cover)

50 days. This strain has all the fine qualities that go to make a first-class bean for the home gardener as well as the commercial trucker. It may be planted earlier than most other varieties because of its hardiness, and will bear profusely throughout a long season, making it, without a doubt, the best and most useful of the wax beans yet introduced. The rich yellow, round pods are 6 to 7 inches long, positively stringless, exceedingly fine grained and without fibre. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

IMPROVED GOLDEN WAX

50 days. A medium early, heavy yielder, with vines of strong, bushy growth. Known for its rust-resistant qualities. The pods are stringless at all stages and average 5 inches in length, being fleshy, straight, broad, and flat, and of a golden-yellow color. It has excellent table quality because of the exquisite rich butter flavor which is particularly known to this variety. A splendid strain for home use and market gardeners. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

SURE CROP STRINGLESS

48 days. Sure Crop is harder than all the other varieties, which is a great advantage. It can be planted early, is rustproof, and is able to withstand both the heat and a longer season of damp, wet weather than any other Stringless Wax Bean. The handsome, amber-yellow pods have no strings and are tender through every stage of development. They are 6 to 7 inches long, ½ inch wide, thick, semi-round, very meaty and sweet. Black-seeded. Well adapted for market purposes, as well as home use, and an ideal strain for canning. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.



Brittle Wax

size, handsome appearance, and excellent quality. The delicate yellow pods are 7 inches long, flat, nearly stringless, unusually brittle, and have a rich, luscious flavor. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.



Improved Golden Wax

long, brittle, stringless while young. They are excellent for home and market purposes. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

SHUMWAY'S RUST PROOF WAX

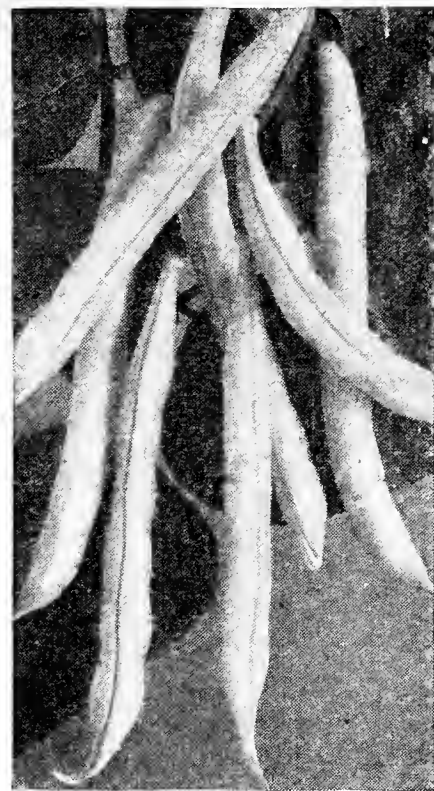
48 days. A strain taken from the Improved Golden Wax, noted for its earliness and superior quality. This variety also has the unique buttery flavor. It is extremely vigorous and has a long bearing season. The pods 5 in. long, are particularly attractive and uniform in appearance, large, thick, well-filled, and remarkably meaty. Perfectly stringless, tender, and brittle. Pkt., 10c; ½ lb., 18c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.

WARDWELL'S KIDNEY WAX

48 days. This is a great favorite with the market gardeners on account of its good shipping qualities, productiveness, large size, handsome appearance, and excellent quality. The delicate yellow pods are 7 inches long, flat, nearly stringless, unusually brittle, and have a rich, luscious flavor. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

DAVIS WHITE KIDNEY WAX

45 days. The finest appearing of all early wax beans, making it a typical market gardeners' favorite. Also a good main crop variety for the home garden and for canning. The pods are 6 inches long, light yellow, straight, and flat. It is very prolific, white-seeded, excellent for baking. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.



Pencil Pod Black Wax

BRITTLE WAX or ROUND POD KIDNEY WAX

45 days. Undoubtedly the earliest of all wax beans, very hardy, and remarkably prolific. Pods are deep yellow in color, long, round, meaty, and absolutely stringless, measuring 5 to 6 inches. Fine flavor, solid, tender, and brittle. The quality bean for home gardens and the nearby markets. Pkt., 10c; ½ lb., 18c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.

PROLIFIC BLACK WAX

47 days. One of the most reliable early sorts. A well-known variety, also called German Black Wax. The pods are a deep, waxy yellow and are yielded in large quantities, round, 4 to 5 inches



Sure Crop Stringless

See Pages 2-3 for Quantity Prices—Not Prepaid

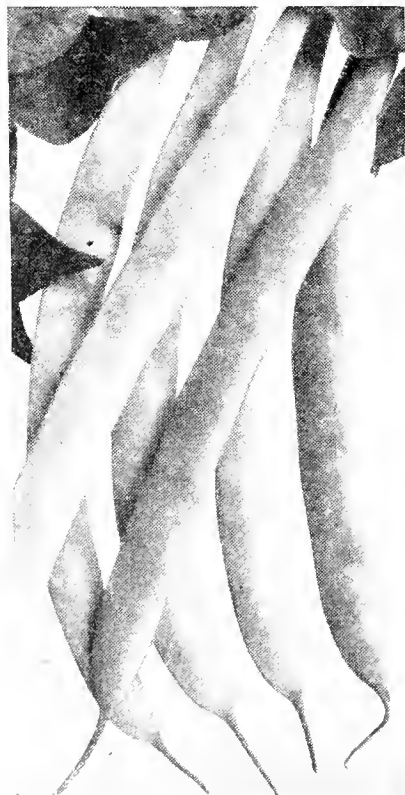
Beans, Dwarf or Bush, Green Pod



Burpee's Stringless Green Pod

BURPEE'S STRINGLESS GREEN POD

43 days. Also known as Stringless Green Pod. This is one of the most popular beans in the trade. It is really stringless, as its name implies. A heavy yielder of round pods 5 to 6 inches long, fleshy, tender, and brittle. The color is deep green, making it particularly attractive in appearance on the market. We do not know of a variety that the term "quality" can be applied to better than to this one. It should be planted for a continuous supply, as it seems to do well under all climatic conditions. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.



Full Measure



Giant Stringless Green Pod

GIANT STRINGLESS GREEN POD

45 days. This excellent variety is largely grown for the market on account of its size and good shape. The pods, 6 in. in length, are very meaty, round, brittle, and entirely stringless. Also an unusually heavy yielder. Splendid sort for succession when planted with Stringless Green Pod which is earlier. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

BOUNTIFUL STRINGLESS

45 days. Without a doubt this is the most productive and best of the flat, green-podded bush beans. It is vigorous and disease-resistant, bearing continuously from early spring until late fall. It produces straight, flat, stringless pods about 7 in. long. The flavor is delicious. Pkt., 10c; ½ lb., 18c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.

FULL MEASURE

42 days. One of the finest beans for early and main crop, yielding well throughout a long season. The pods are 6 in. in length, round, firm and tender, with fine melting quality. Excellent for table and for canning. A very desirable type for home or market garden. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

IMPROVED EARLY RED VALENTINE

42 days. Very hardy and valuable to truckers on account of its earliness. Germinates in cold ground where other varieties will not. Pods round and very meaty, about 5 inches long, saddle-backed, and with slight strings. When picked at the proper time they are tender and fine flavored, meeting with ready sale on the markets. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.25, postpaid.

BLACK VALENTINE

42 days. Not as early as Improved Early Red Valentine, from which it was developed, but it is suited to both early and late planting, as it has strong heat-resisting qualities and its hardness overcomes light frost. Pods are 6 inches long, perfectly straight and round, growing in clusters. Valuable as a market sort. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.10, postpaid.

DWARF HORTICULTURAL or Wren's Egg

The pods are greenish-yellow splashed with red, 5 inches long, stout and flat. It is a very hardy, medium late variety used for snap beans or for shelling green. Particularly fine for succotash. Heavy yielding, and fine flavored. Does well in a cool climate. The seed are light buff, spotted red. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.25, postpaid.

REFUGEE or 1000 TO 1

48 days. Very prolific. Popular for pickling and canning. Pods are 5 inches long, light green, slim, fleshy, and brittle, with but slight string. Ideal fall variety. Pkt., 10c; ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.10, postpaid.

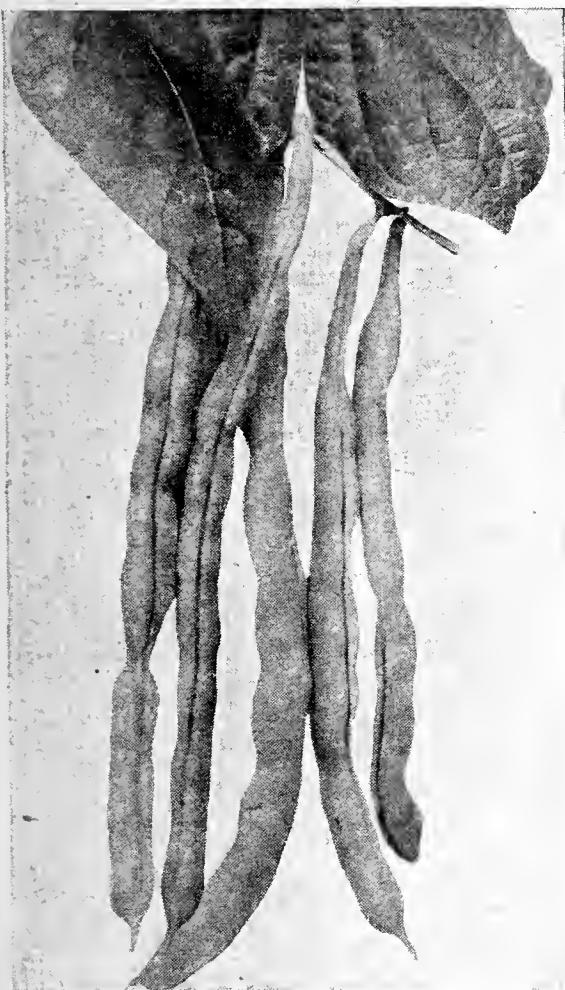
TENNESSEE GREEN POD

60 days. This is a second early variety, having broad, flat pods from 6 to 7 inches long and of a bright dark green. It is fleshy, tender, rich in flavor, and at its best in quality when young. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.



Bountiful Stringless

Pole Beans



Old Homestead or Kentucky Wonder

OLD HOMESTEAD or KENTUCKY WONDER

This is the old favorite variety of fine quality and the most productive bean there is. The silvery green pods hang in great clusters from the top to the bottom of the vine and are 8 to 9 inches long, plump, stringless, very tender, and of superb flavor. This variety is 10 days earlier than any other green-podded Pole Bean, and is our best selling snap pole strain. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.



Pole Beans

GOLDEN POD WAX POLE or KENTUCKY WONDER WAX

The best pole wax bean for planting in the north. Similar to Old Homestead in habit and just as early. It is very prolific and produces a fine crop of pods 8 to 9 inches long, extremely fleshy, almost straight, and light golden-yellow in color. Delicious eating qualities, brittle, but showing strings. The seeds are very dark brown. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

WHITE CREASEBACK

A very hardy type, with deeply creased, round, meaty, green pods 5 to 6 inches long, borne in large clusters. The seeds are pure white and fine for baking. Nearly stringless and tender. Should be picked while young. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

GOLDEN CLUSTER WAX POLE

This makes a splendid snap bean while young and also a fine dry, white, shell bean for winter use. Early, stringless, and white-seeded with light waxy-yellow pods 6 to 8 inches long. Continues to bear until frost. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

RED SPECKLED CUT SHORT or CORN HILL

Popular in the south for planting in the corn; however, it yields well without support. Pods are green, 4 inches long and flat. Good quality. Fine for the small garden. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

LAZY WIFE POLE

One of the most popular either as a snap, shell or dry bean for winter use. A late variety with thick green pods, 6 inches long, and entirely stringless. Very finest flavor. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

SCARLET RUNNER POLE BEANS

A well-known rapid climber, 10 feet high, with gorgeous scarlet flowers. Green pods of delicious flavor, but containing strings. Very tender and good snap bean. Also listed with flower seeds. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75, postpaid.

ASPARAGUS or YARD LONG

A variety of Oriental origin. Particularly vigorous and productive, pods 2 ft. long or more, round, tender and of good quality. The flavor is different from other varieties, very palatable. The seed is small and reddish brown in color. Pkt., 15c; ½ lb., 35c; 1 lb., 65c, postpaid.

BURGER'S STRINGLESS GREEN POD

In some localities this is called White-seeded Kentucky Wonder. The straight pods are 6 to 8 inches long, entirely stringless, rich green in color and very meaty. The dry white beans are exceptionally fine for stews and baking during the winter months. This variety yields right up to the time of the first killing frost. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

Field Beans—Dry or Shell

Plant these varieties so as to provide soups, stews, and baked beans, during the fall and winter months.

SHUMWAY'S WHITE MEXICAN or PROLIFIC TREE

Selected out of the Navy variety, reducing the runners and making it a bush form variety. Very prolific, producing under normal conditions 20 to 30 bushels to the acre. An excellent bean used in the dried state. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.10, postpaid.

LARGE WHITE MARROW

Very hardy, robust plant bearing large, round shaped beans, used when dry for baking or in soups. ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

WHITE NAVY FIELD

Robust strain. Small white variety which has been greatly improved by practically eliminating the runners. Excellent yielder. ½ lb., 15c; 1 lb., 22c; 2 lbs., 40c; 5 lbs., 85c, postpaid.

LONG RED KIDNEY

Good to be used as a shell or dry bean. It is used extensively for canning purposes. ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

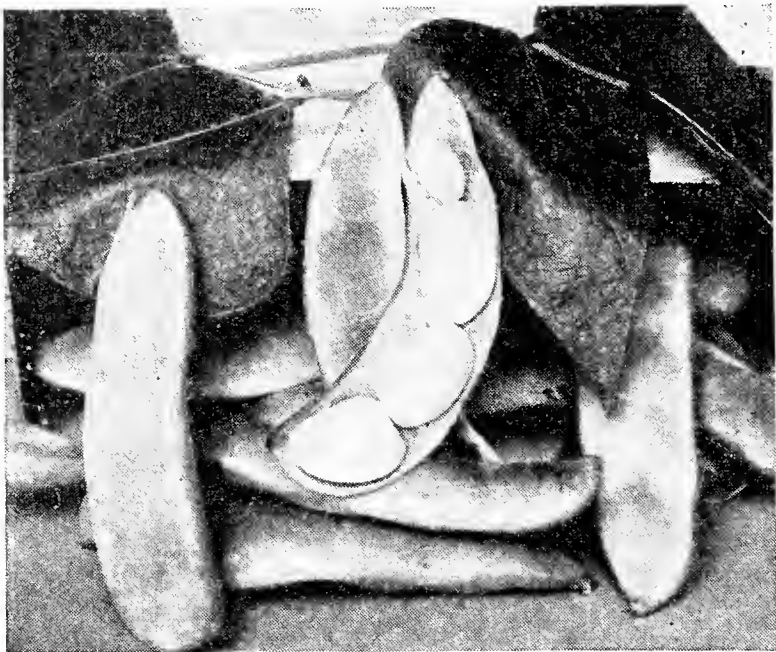
LONG WHITE KIDNEY

A favorite variety in many markets, desirable as a shell bean for succotash or when dry for baking. ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

See Pages 2-3 for Quantity Prices—Not Prepaid

Bush Lima Beans

CULTURE: Lima beans require a warmer soil than other beans and should not be planted until about a week later. Since they are heavy feeders, it is desirable to enrich the soil with manure or a commercial fertilizer. In planting be sure to place the seed in the soil EYE downward; this is very important.



Fordhook Bush Lima

FORDHOOK BUSH LIMA

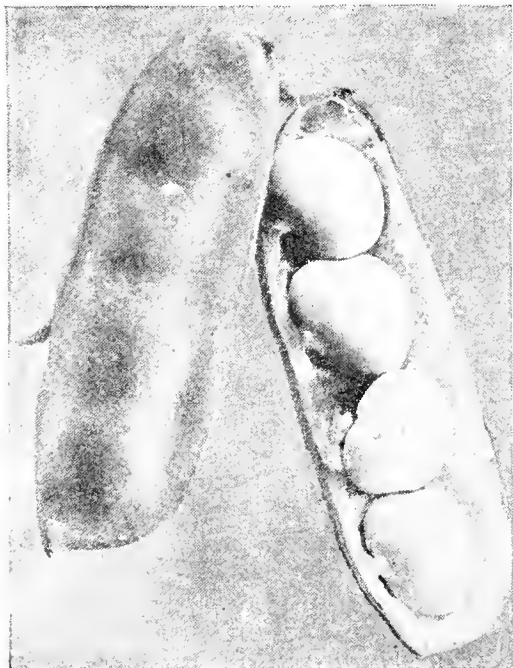
(See Color Plate)

A dwarf form of the "Potato Lima" and a universal favorite wherever Bush Lima Beans are grown. It is gaining in popularity every year because its dwarf growth and its great productiveness make it ideally suited to the small home garden, as well as to the large acreage of the market gardener. Its strong erect growth keeps the pods off the ground so that they are not injured by wind or rain, thus avoiding rust and rot. The pods, which are produced in clusters, contain 4 or 5 large, fat beans of the finest quality, which are packed so close together that they are very easily shelled. The beans are always tender, juicy, and sweet, and may be used green or dried. Either way they are rich and buttery, having the real lima bean flavor. Matures medium early. Ready for table use in 75 days. Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 90c; 5 lbs., \$1.90, postpaid.

BURPEE'S IMPROVED BUSH LIMA

This is an immense yielder, having 3 to 5 very large beans

in a pod, identical in size. The pods are 5 to 6 inches long, the vines are heavier, and the beans are larger and thicker than the original Burpee's Bush Lima. Also this improved strain matures fully a week earlier than the other. The plants are strong and vigorous, producing quantities of handsome pods, grown in clusters and well filled with beans. Luscious flavor. Ready in 65 days. Pkt., 10c; ½ lb., 22c; 1 lb., 40c; 2 lbs., 75c; 5 lbs., \$1.65, postpaid.



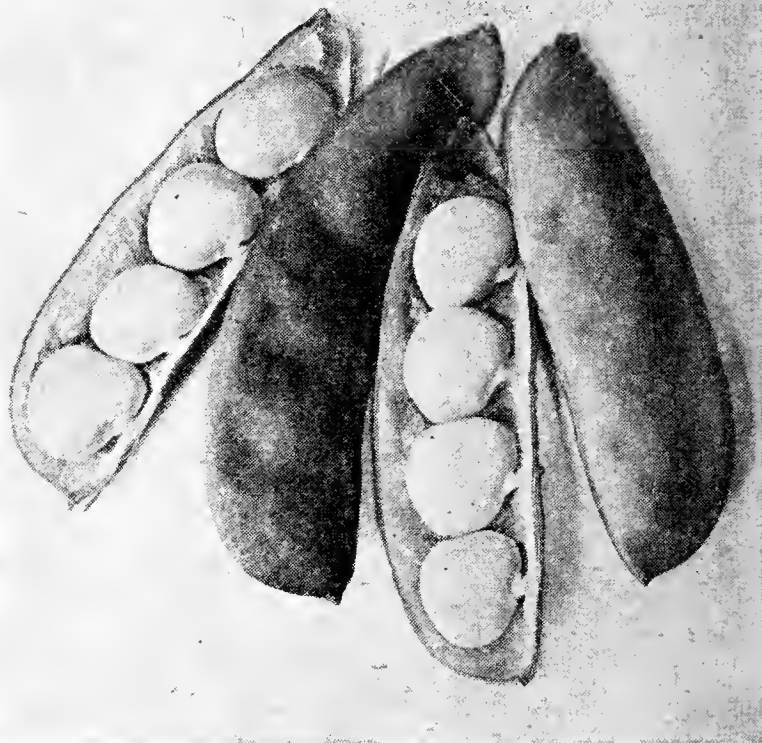
Burpee's Improved Bush Lima

HENDERSON'S BUSH LIMA

The very popular "Baby Lima." Valuable for its extreme earliness, yet producing a continuous crop from the time it begins to bear until frost. Enormously prolific and a reliable cropper. A small patch will keep a family supplied with plenty of delicious beans throughout the season. The hardy vines produce pods 3 inches long, containing 3 or 4 beans. Fine to dry for winter use and in great demand for canning. Suited to all climates north or south. Known as the original Dwarf or Bush Butter Bean. Ready in 60 days. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.20, postpaid.

WOOD'S PROLIFIC

A variety belonging to the small class of lima beans, commonly called Improved Henderson Bush Lima, although the shell beans are at least half again as large as the original. It is about two weeks earlier than the larger types of this class. It is a free grower and is suitable in all sections of the country. Excellent quality with the rich buttery flavor found in all the lima beans. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.40, postpaid.



Shumway's Early Giant

SHUMWAY'S EARLY GIANT

A true bush type growing 1½ ft. in height, very rugged and upright in growth. It is as easily grown as snap beans and will bear from July until taken by frost. A fine yielder of pods 5 to 6 inches long, containing beans as large as the largest pole lima variety. It is a tender, rich and buttery flavored variety, the thick pods holding the flavor well. Those who enjoy lima beans should not fail to grow this variety. Pkt., 10c; ½ lb., 22c; 1 lb., 40c; 2 lbs., 75c; 5 lbs., \$1.65, postpaid.

JACKSON WONDER

The earliest of the bush limas, growing in true bush form about 2 ft. tall. It is a heavy yielder of broad pods containing from 3 to 5 medium sized speckled beans. Without doubt an unusual variety for the home garden. As well as being a good summer variety it makes an exceptional shell bean for winter use. Ready for table in 60 days. Pkt., 10c; ½ lb., 18c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.

NITRAGIN

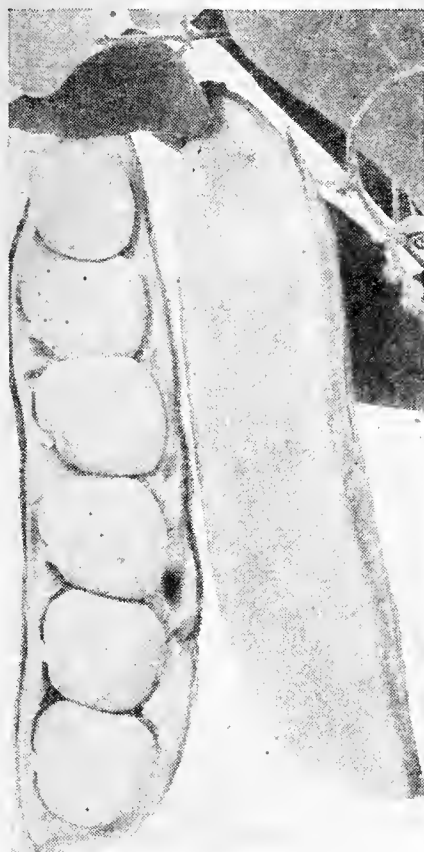
For more vigorous growth and greater yield of Beans use NITRAGEN. Inoculator size for 1½ bn. or 100 lbs., 90c; 1 bn., 60c; ½ bn., 40c; garden size, 25c. In ordering specify for Beans.

See Pages 2-3 for Quantity Prices—Not Prepaid

Pole Lima Beans

KING OF THE GARDEN POLE

The old standard favorite. Vigorous, reliable grower and heavy cropper, bearing uniform, dark green pods 5 to 8 inches long, filled with 4 to 6 large white beans of high quality. Produces to end of season. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.



King of the Garden

EARLY LEVIATHAN

The earliest pole variety of this type, producing large beans earlier than any other strain. Exceptionally productive all through the season, bearing in large clusters, the light green pods containing 3 to 5 beans of rich, buttery flavor. Where the market gardener prefers the pole variety of limas, this is superior to the others as it takes to the poles more readily than any other sort. This is also a remarkable variety for the home garden where one has limited space. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

CAROLINA or SIEVA

The "Butter Bean" of the south, where it is extremely popular. Excellent for the north as well because of its earliness, sturdy growth, and great productiveness. Vines grow quickly, maturing a fine crop of small, tender, dark green pods 3½ inches long. Plants bear until frost. More generally known than any other variety. Pkt., 10c; ½ lb., 17c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

SEIBERT'S EARLY LIMA

Because of its earliness and hardiness, this is a very desirable type for Northern localities where the season is short. It is dependable and productive, yielding a large crop of fine beans over a long season. The pods are medium long, and well filled with large, tender, delicious beans. A superior variety for home and market garden, and for canning. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

LARGE WHITE LIMA

The old favorite home garden variety. The vines produce heavily. The pods are big and broad, and usually contain 4 large beans of fine quality, white when dry. A very reliable cropper. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

RECIPES for LIMA BEANS

NOTICE: Lima beans are one of our most palatable vegetables. Have you ever used them in the following recipes? They are all new.

LIMA BEANS AU GRATIN

Shell out the beans and boil for 30 minutes, drain, and place in a baking dish. Pour over them a white sauce, which any recipe book will give you the method of preparation, grating cheese to the strength that you may desire into same, season with salt, pepper, and butter to suit or instead of butter criss cross strips of bacon over the top and bake in a hot oven for 40 minutes. This is one of the most tasty dishes for the lima beans.

LIMA BEAN CROQUETTES

Boil the lima beans for 30 minutes, having seasoned with salt, then drain off the water and mash, season to taste with salt and pepper. Then form into patties and fry in butter or bacon grease. This is a wonderful substitute at any time for meat.

Stock or Mangel Beet

Ideal Winter Feed for Cattle. Exceptionally Fine Cut Up for Poultry

CULTURE: Sow 5 to 6 lbs. per acre drill or 15-20 lbs. broadcast. All stock should have Mangel Beet in their winter feed. Assures increased milk flow.

GREAT GIANT or MAMMOTH LONG RED MANGEL BEET

The largest mangel beet in cultivation of its color, regular shape, growing half out of the ground. Blood red in color, very smooth. The greatest tonnage per acre is secured from this variety. Oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

SLUDSTRUP

The seed of this mangel is produced in Denmark, where mangels are as important to the dairy farmers and stock feeders as corn is in this country. This variety for many times has been awarded the first-class certificate by the Danish government. This is a long yellowish-red cylindrical root that grows over half above the ground making it very easy to harvest. By actual test this variety exceeds others in weight and in feeding value. Oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

GOLDEN TANKARD

A smooth, heavy, solid, yellow-fleshed mangel. The flesh is firm and roots are excellent keepers. The roots are cylindrical in shape with a broad shoulder and base. Oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

GLOBE SHAPE MANGEL WURTZEL

A desirable variety for planting in shallow soil. Comparatively easy to dig as it has a short oblong root. A good keeper for winter use.

Yellow—Oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.25, postpaid.

Red—Oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

KLEIN WANZLEBEN BEET (Sugar Variety)

High sugar content, about 18 per cent. An excellent variety for stock food. A good tonnage per acre. Oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.

IMPROVED WHITE SUGAR BEET

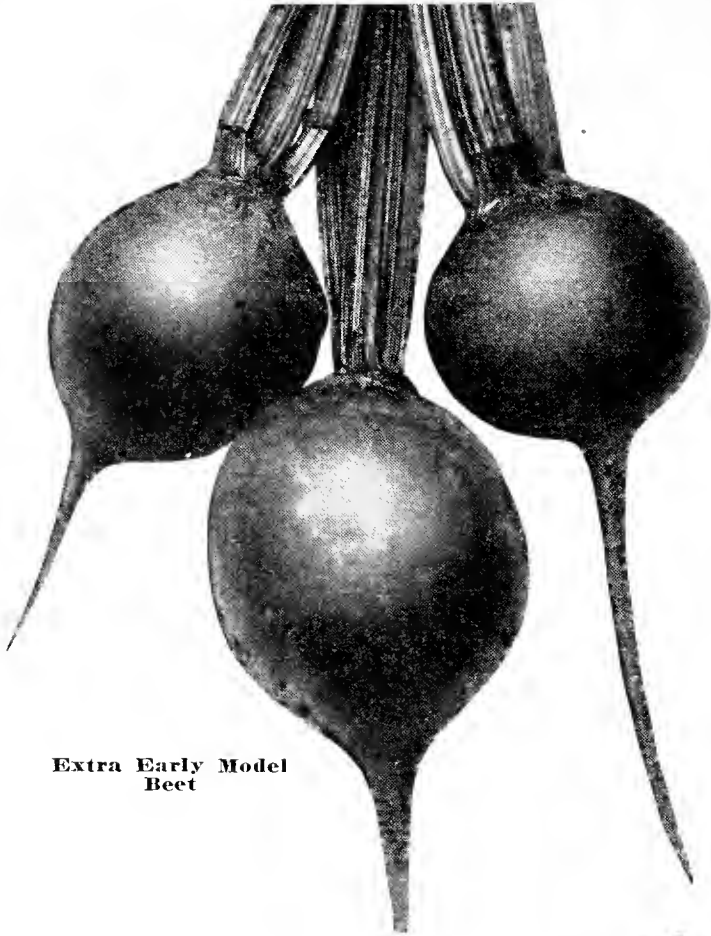
A large, sweet, choice beet, like the Mangels. Grown extensively for feeding stock, contains a large per cent of sugar. Oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00, postpaid.



Great Giant or Mammouth Long Red Mangel

BEETS—

CULTURE: 1 oz. will sow 50 ft.; 5 to 6 lbs. to the acre. Beets can be sown about the middle of April for the first planting, in the latitude of Northern Illinois. For rotation continue planting every two weeks up to the first of August. The rows should be 18 inches apart; after seeding the soil should be firmly packed down around the seed. Thin out the plants so that they will stand three to four inches apart. Those taken from the rows may be transplanted into other rows or used for beet greens.



Extra Early Model
Beet

DETROIT DARK RED TURNIP BEET

50 to 55 days. This is the best table beet in cultivation for both the home and market gardener, as well as the shipper and the canner. It is the heaviest yielder of the large sorts, and the finest main crop variety known. The beets are globe shaped, rich red with no trace of stringiness, and of an exquisite flavor. Unusually attractive appearance on the market. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

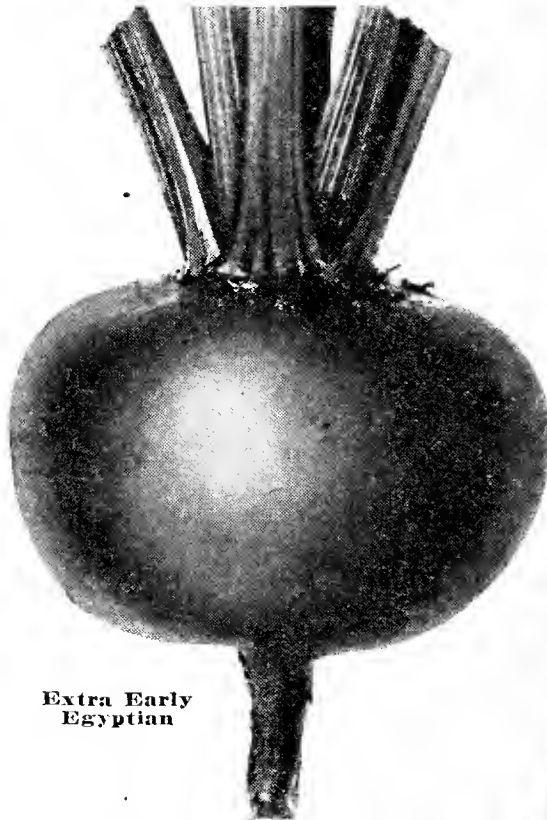
NOTICE: If you are in the market for large quantities of beet seed, 10 lbs. or over, write for special quotations.

EARLY WONDER BEET

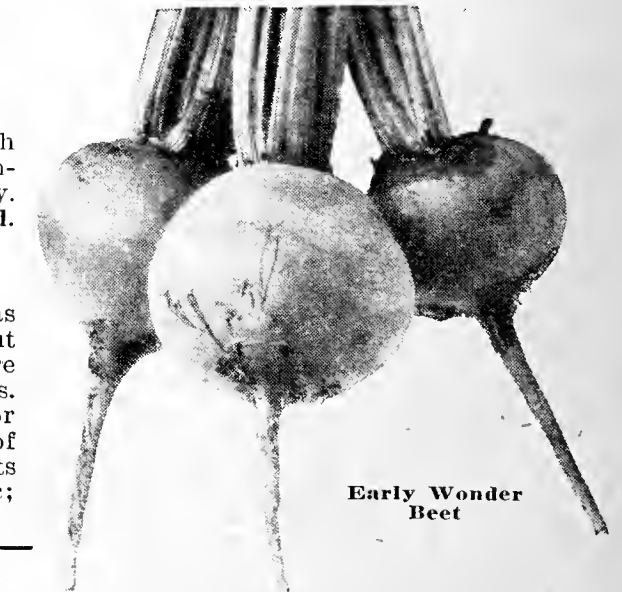
50 to 55 days. An outstanding beet for earliness, perfect shape and quality. A selected strain developed from Crosby's Egyptian. The crop, planted early, reaches maturity so rapidly and uniformly that it may be harvested all at the same time and early enough so that the same ground can be used for another crop the same season. The shape is uniformly globular with small tap roots and trim medium top, making a very nice beet for bunching. The flesh is rich deep red, firm and fine-grained without being woody. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

CRIMSON GLOBE BEET

70 days. A second-early main crop variety which we recommend as ideal for the home gardener. The shape is nearly a perfect globe about three inches in diameter; the skin is smooth, the tap root small, and there are no side roots. The flesh is a rich, deep crimson, tender and delicious. The tops are small, good for bunching, and their purple-bronze color makes a fine appearance in the garden. As with the Edmands, a crop of this variety reaches maturity a few plants at a time, so that the beets may be pulled as needed for the table. Fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.



Extra Early
Egyptian



Early Wonder
Beet

EXTRA EARLY MODEL BEET

50 to 55 days. Particularly attractive for bunching for early use. The beets quickly attain a good size and are a deep dark blood-red, slightly oval in shape, smooth, and entirely free from fiber. The unusually fine quality of this beet makes it a splendid variety for canning and home use. Excellent for beet greens when the roots are small. Pkt., 10c; oz., 20c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 5 lbs., \$5.25, postpaid.

EXTRA EARLY EGYPTIAN

40 to 50 days. A first-early variety, and the outstanding type for forcing an early crop. The roots are flat on top and round beneath, with a long slender tail and small tops colored green and red. The flesh is a deep purplish-red with zones of a somewhat lighter hue. The roots, pulled when they have reached 2 inches in diameter, are firm and tender. Pkt., 5c; oz., 12c; ¼ lb., 25c; ½ lb., 45c; lb., 85c; 5 lbs., \$3.50, postpaid.

EXTRA EARLY ECLIPSE

55 days. A very popular extra early variety, producing a handsome plant, roots uniform and globular with a slight peg-shape, tap roots small, skin smooth, and tops small. The flesh is deep red, zoned pink, and is very sweet and tender, especially when young. The plants pull easily. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

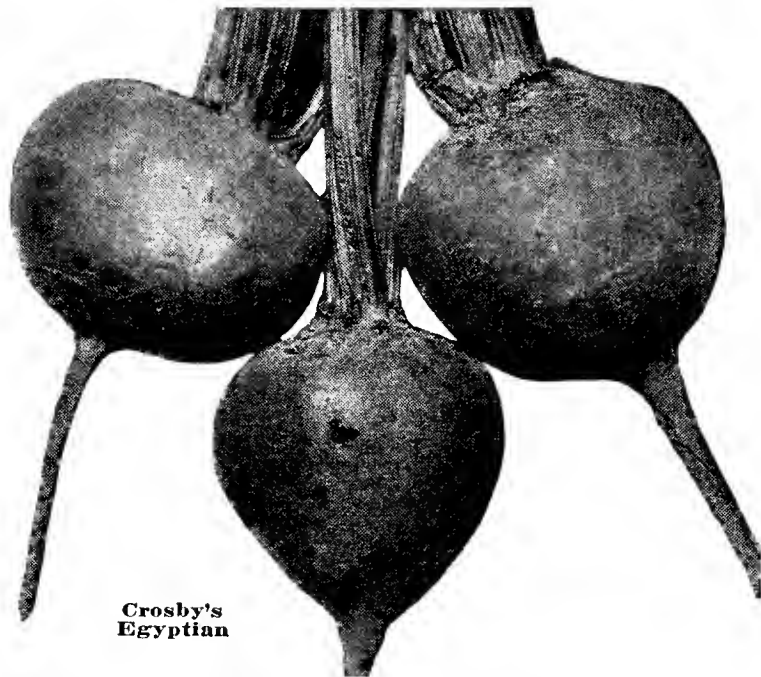
EXTRA EARLY DARK BLOOD TURNIP

55 days. Beautiful color and shape, only a few leaves, very small tap root without any side roots. Very smooth and large for an extra early variety. The flesh is tender, crisp, and delicious. A fine sort for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

for Table Use

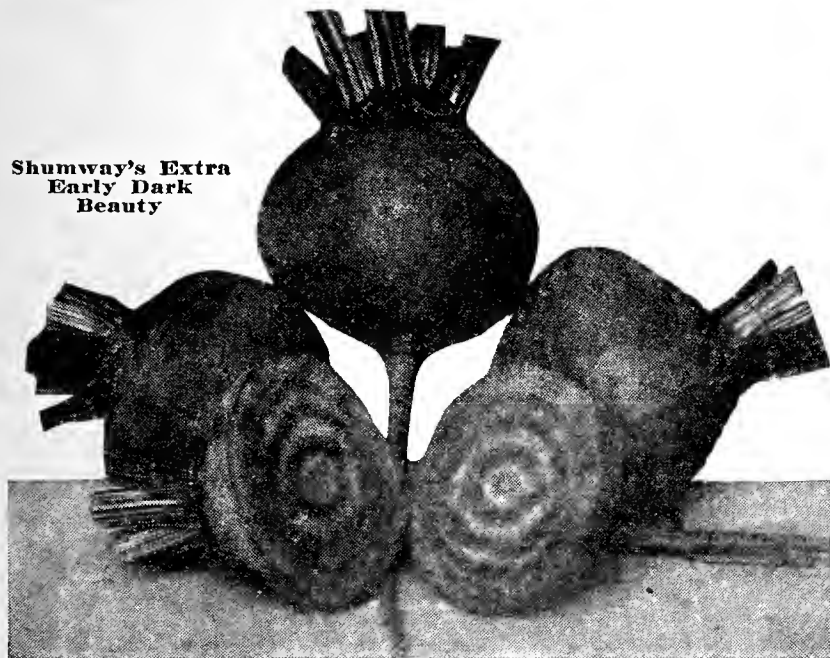
CROSBY'S EGYPTIAN

50 to 55 days. By far the most popular and extensively cultivated turnip-shaped beet. An early rapid-growing variety which is well adapted to forcing for the early market. The tops are rather small and well shaped for bunching. The flesh is purplish-red, zoned with a somewhat lighter shade; tender and rich flavored. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.



Crosby's
Egyptian

Shumway's Extra
Early Dark
Beauty



IMPROVED LONG DARK BLOOD BEET

The best field beet for table use. Ready for pulling at 80 to 90 days when roots will have reached length of 8 to 10 inches; if left in the ground they grow to 14 or 16 inches. A substantial part of the root grows above ground, a fact which makes for easier pulling in heavy soil. Tops are large and erect. The root is long and tapers down from a 3 inch diameter at the top. Flesh is very dark purplish-red with faint zoning. An excellent beet for storage and for pickling. It deserves an even greater popularity. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

Swiss Chard or Spinach Beet

CULTURE—This variety of beet is grown exclusively for use as greens; it replaces spinach during the hot summer months. The plants are hardy and will yield all summer long until heavy frosts kill them.



LUCULLUS

The leaves of this variety of chard are heavily crumpled and savoyed, deep green in color, being nearly the color of spinach. The mid-rib or thick white stalk may be creamed like asparagus. Do not pull up the plants; cut off the outer leaves and a small patch of it will provide greens all summer long. Pkt., 7c; oz., 12c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00; 5 lbs., \$4.25, postpaid.

SHUMWAY'S EXTRA EARLY DARK BEAUTY

50 days. One of the earliest beets we offer. Beautiful oval shape with a rich dark red color. The flesh is fine grained and cooks up very tender; its flavor is superb. Practically free from side roots and appears very smooth, thus making a good appearance on the market. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10; 5 lbs., \$4.50, postpaid

MARKET GARDENER'S OR HALF LONG BLOOD

60 days. A second early sort. The half-long roots are somewhat pear-shaped and heavy, smooth-skinned, crisp, tender, and sweet, never woody. Economical for planting in small plots. Good for slicing. An ideal winter variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.



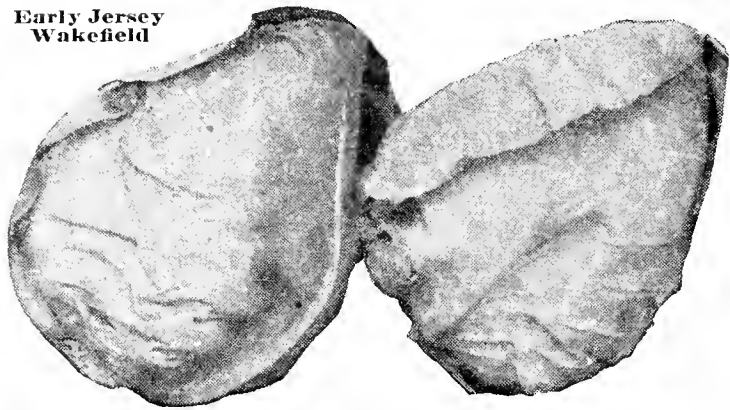
Market
Gardeners
or
Half Long

EDMAND'S EARLY BLOOD TURNIP

An excellent English variety for the home garden. Used for second early crop, or for late planting and winter keeping. Roots are turnip-shaped and regular. Flesh is deep blood-red, exceedingly sweet and of fine quality. Tops are small and erect; fine for beet greens. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

CABBAGE—Early Varieties

Early Jersey
Wakefield



EARLY JERSEY WAKEFIELD

62 days from transplanting. The earliest of all, and a great favorite for the early markets. It produces rather small, uniform, cone-shaped heads that are very firm and of good quality. It is a fine type for the home garden, taking up little space and producing a good crop dependably and quickly. Very hardy. Excellent for shipping. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.20; lb., \$2.25, postpaid.

CHARLESTON WAKEFIELD

71 days. A fine strain of Wakefield which produces heads of the same quality and firmness as Early Jersey but considerably broader and larger. A valuable sort for the early markets, extensively grown for shipping by commercial growers. Equally desirable for the home garden. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.20; lb., \$2.25, postpaid.

HARTMAN'S RESELECTED COPENHAGEN MARKET

A Remarkable Strain. Very Uniform in Heading

64 days. This is a selection made by the introducer of Copenhagen Market. It has the same general shape as the parent but is selected for a small solid heading variety. Heads 4 to 6 lbs. Without doubt this is the best variety to grow for market as so many people nowadays want a small heading cabbage. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.20; $\frac{1}{2}$ lb., \$2.30; lb., \$4.50, postpaid.



Hartman's Reselected Copenhagen Market

CULTURE: One of the vegetables enjoyed the year around. About the last of February or the first of March sow the seeds of early varieties in a box, transplanting the seedlings into flats a fair distance apart as soon as they are large enough to transplant. When the weather permits set out of doors each day for a little air to help harden them off. About the middle of April, in the latitude of Northern Illinois, or first of May, set into the open ground in rows $2\frac{1}{2}$ feet apart, the plants about 2 feet apart in the row, keep well cultivated. The same method may be used with the second early varieties, transplanting them about the middle of May into the open ground. At this time plant the seed of the late winter varieties in the open ground, about July 1st they are ready to be set into their permanent position. Sprinkle SLUG SHOT or Kalite over the plants if the cabbage worm appears.

NOTICE: The number of days given with each variety indicates the growing time required after transplanting in the open ground.

GOLDEN ACRE

65 days. This variety is a selection out of Copenhagen Market; selected to produce earlier and smaller heads than the parent type. Heads are round, solid, and of excellent quality. The compact plants have few outer leaves. The leaves are light green and thick. This strain we consider very superior, known to be uniform in size, shape and maturity. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; $\frac{1}{2}$ lb., \$2.45; lb., \$4.75.



Golden Acre

GLORY of ENKHUIZEN

73 to 80 days. An excellent medium early short-stemmed cabbage that is widely used in the Cabbage growing sections. A very fine shipper. Medium sized dark green heads, very nearly round. It is larger and a little later than Copenhagen Market and produces a heavy tonnage per acre. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.20; lb., \$2.25, postpaid.

ALLHEAD EARLY or SOLID SOUTH

77 days. The leading second early variety, producing large, even heads, which are solid and deep, though somewhat flattened. The plants are short-stemmed and compact, with few outer leaves. Very popular with growers and shippers because of its pronounced resistance to disease and its exceptional ability to withstand heat and drought. Unexcelled for eating qualities, and the best cabbage for the home gardener who plants only one variety. For fall and winter use, plant late. A heavy yielder and good keeper. Fine for kraut. Weight, 6 to 7 pounds. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.



Allhead Early
or Solid South

See Pages 2-3 for Quantity Prices—Not Prepaid

COPENHAGEN MARKET

68 days. A very profitable first early cabbage, the largest and best yielder of the early types. Because heads are large (7 to 10 lbs.), and are compact enough to be planted close together, a very high tonnage per acre can be obtained. Stems are short, heads round and uniform with light green leaves. Good keeper. Pkt., 10c; oz., 25c; ¼ lb., 85c; ½ lb., \$1.60; lb., \$3.00, postpaid.

EARLY SUMMER

72 days. A reliable second-early variety which follows about 10 days after Jersey Wakefield. The heads are solid and large, weighing usually from 8 to 10 pounds each, round, flattened and attractive in appearance, being tinged with a grayish-blue color. The outer leaves are short, which allows close planting. Good keeper. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00, postpaid.



Copenhaagen Market

EXTRA EARLY EXPRESS

66 days. Compact oval head large for the size of the plant. Thicker and less pointed than the Wakefield type. Pkt., 5c; oz., 20c; ¼ lb., 55c; ½ lb., \$1.00; lb., \$1.90, postpaid.

EARLY WINNIGSTADT

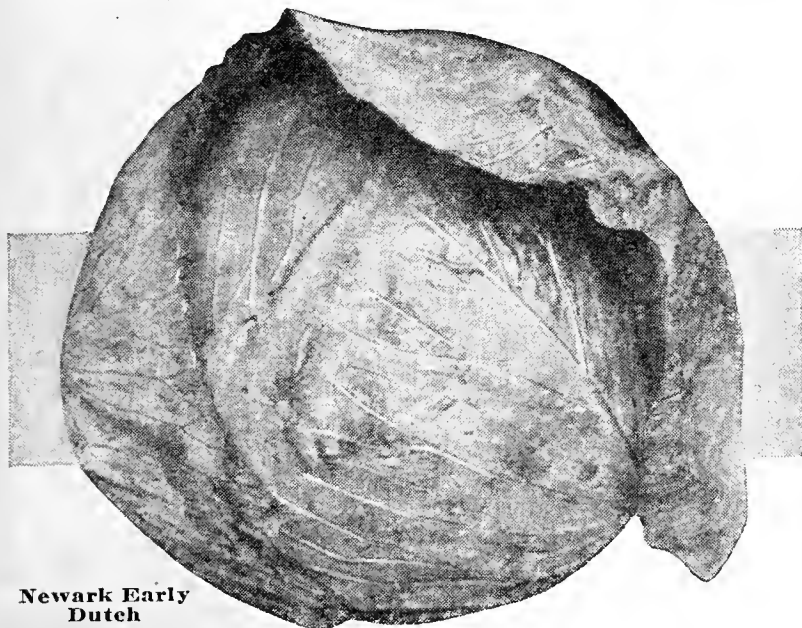
77 days. A very hard-headed type which keeps well for storage or shipping. The heads are somewhat conical and become 8 to 10 inches near the base, weighing up to 5 pounds. Sure-heading and hardy. The tightly folded leaves are a rich dark green. Excellent quality. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00, postpaid.

GARDEN SUGGESTION

Set Tomatoes, Cabbage, Egg Plant or Pepper plants about 2 to 3 ft. apart in the Lettuce or Radish rows. This aids in diversification where garden space is limited.

Extra
Early
Express**Second Early or Mid-Season Varieties****NEWARK EARLY DUTCH**

82 days. Also known as Stein's Early Flat Dutch. The most famous of the second-early varieties and undoubtedly one of the best of its class. The heads are large, flat, firm and uniform, weighing 10 to 12 pounds. Unusually fine texture and quality. Good keeper. Used extensively by the cabbage growers. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00, postpaid.

Newark Early
Dutch

ture and quality. Good keeper. Used extensively by the cabbage growers. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00, postpaid.

ALL SEASONS

90 days. Naturally a second-early strain, but also gives excellent results with later planting. A good keeper whether planted early or late, and its small-ribbed leaves are better quality than the coarser winter types. Heads are large, weighing 9 to 10 pounds, and have the drum shape. Very vigorous and sure heading even in extremely hot and dry weather. A profitable kraut variety. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00, postpaid.

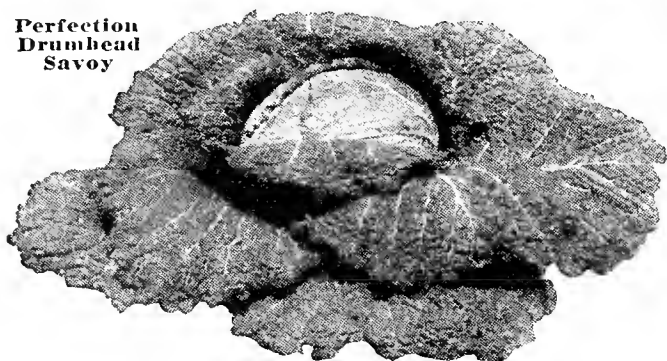
See
Pages
2-3
for
Quantity
Prices
Not
Prepaid



All Seasons

Second Early or Mid-Season Varieties—Continued

Perfection
Drumhead
Savoy



PERFECTION DRUMHEAD SAVOY

85 days. The best Savoy type, highly recommended for its unique delicious flavor. The heads are good-sized, and the deep green outer leaves are densely crumpled in the characteristic Savoy manner. The inner leaves form a solid light green heart, very tender and sweet. Should be planted late for fall heading. The flavor is enriched if heads are touched by frost. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.30; lb., \$2.50, postpaid.

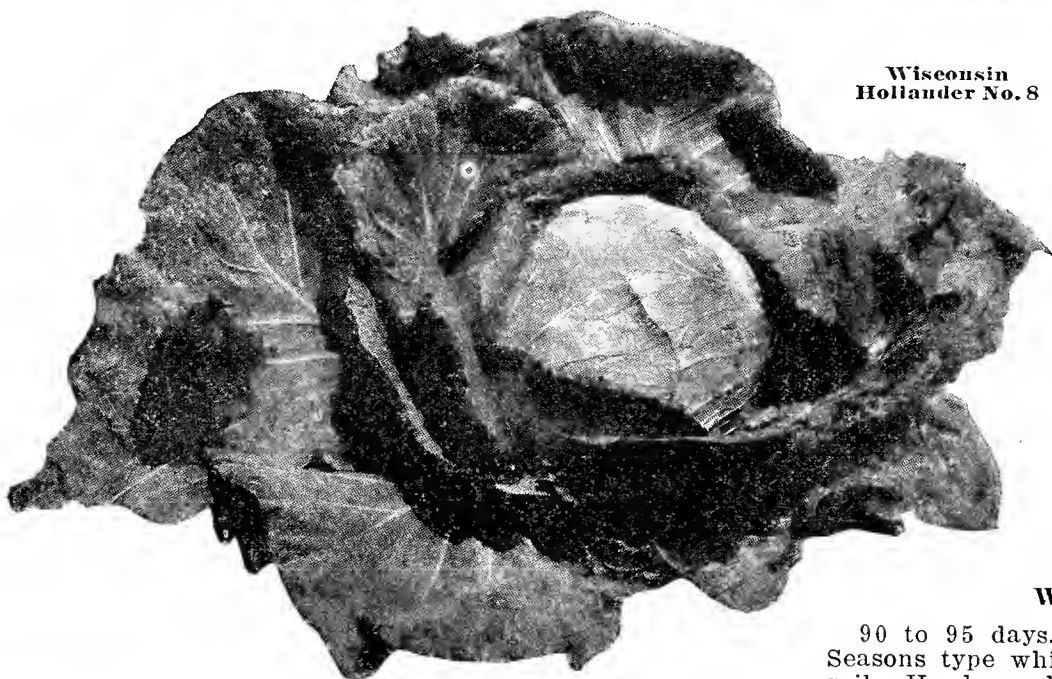
MAMMOTH ROCK RED

90 days. This is the hardiest and largest heading red cabbage. It is round, very solid, and of a deep purplish-red color. Fine winter keeper and popular for cole slaw and home pickling. Weighs about 12 pounds. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.30; lb., \$2.50, postpaid.



**Mammoth
Red Rock**

CABBAGE—Yellows-Resistant Varieties



Wisconsin
Hollander No. 8

WISCONSIN HOLLANDER NO. 8

Yellows-Resistant Danish Ballhead

110 days. Excellent late cabbage, heavy-yielder; bred up from a selected strain of Danish Ballhead for yellows-resistance in soil where crops of other strains are ruined by the disease. Hardy and vigorous. Heads are large in size, round, and slightly flattened in shape, very solid. Weight 8 to 9 pounds. Well suited for shipping and winter use and good as a kraut cabbage. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.00; lb., \$3.75, postpaid.

MARION MARKET (Early)

Yellows-Resistant Copenhagen Market

75 to 80 days. A strain of Copenhagen Market selected for resistance to yellows. Has proved a good cropper in yellows-ridden soil where non-resistant types fail completely. Only slightly less early than Copenhagen, it has the same round head and crisp, succulent leaves. A favorite early kraut variety. Good for early market and a sure header for the home garden. 7 to 10 pounds. Pkt., 15c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.85; lb., \$5.50, postpaid.

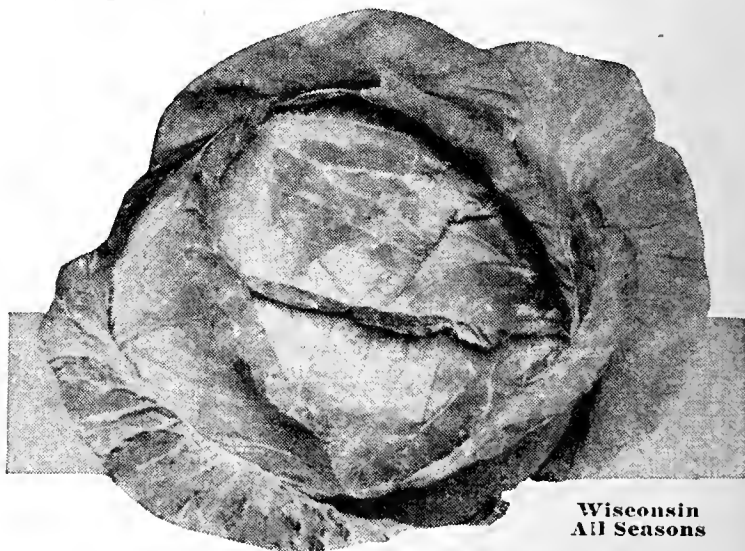
Within the last twelve years the spread of the disease known as "cabbage yellows," has become very pronounced, and it can now be found over the entire middle west.

Various governmental experiment stations have been working on this problem and we are now able to offer three varieties which are very largely immune to the disease.

The disease is easily identified by the gradual yellowing of the plant, beginning generally on one side and spreading around until the whole plant dies. If you notice this condition on your place or in cabbage near you, one of these three Yellows Resistant strains should be planted.

WISCONSIN ALL SEASONS

90 to 95 days. A new strain of the medium early All Seasons type which can be safely used in yellows-infected soil. Heads are large, somewhat flattened, measuring 10 to 12 inches across and 8 inches deep, and weighing 9 to 10 pounds. A fine cabbage for kraut. Also good for winter storage. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.85; lb., \$3.50, postpaid.



**Wisconsin
All Seasons**

CABBAGE-Late Varieties

DANISH BALLHEAD (Short Stem)

110 days. Known also as Danish Roundhead. The seed of this strain is produced for us on the island of Amager off the coast of Denmark. The leading cabbage among the late varieties. It is small and round, but extremely hard and heavy, and no cabbage will give greater tonnage to the acre. Its tight compactness makes it the best of all keepers. The inner leaves are white and have excellent flavor. Ideal for sauerkraut. Weight 10 to 12 pounds. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.

SHUMWAY'S HOLLANDER or NEW HOLLAND

Very Dependable Late Cabbage

90 to 120 days. An extremely hardy type that will endure drought or freezing better than any other. At 90 to 100 days the heads although small, are firm and marketable, but they may be left uncut to 120 days when they reach full size (about 8 lbs.). Compactness of heads permits close planting. Heads are round and hard, and white in color. An excellent keeper, even to late spring, and good for long-distance shipping. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.

SHUMWAY'S IMPROVED SUREHEAD

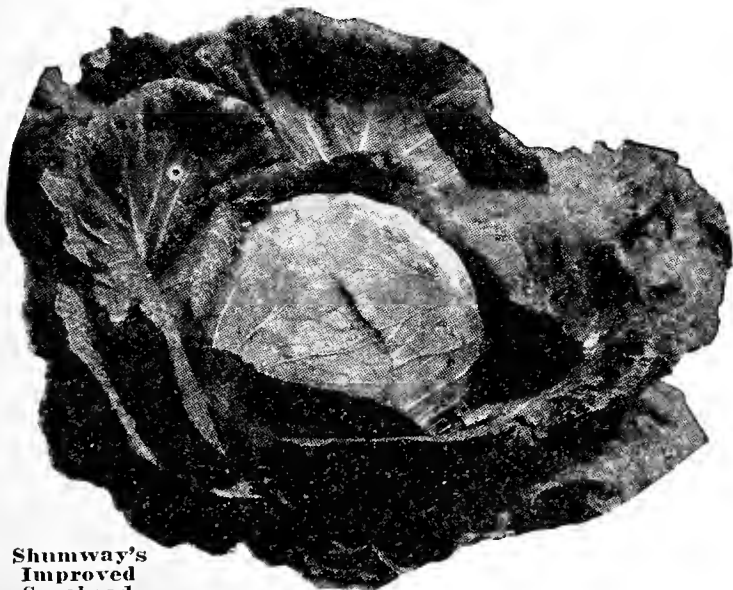
100 to 105 days. This strain will always head. Remarkably hard and fine in texture and a most popular type of Flat Dutch Cabbage. The heads are round, flattened at the top, exceptionally uniform in size, and weigh 10 to 15 pounds. Wonderful main-crop variety, drought-resisting and an excellent shipper. Pkt., 8c; oz., 18c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.

AUTUMN KING

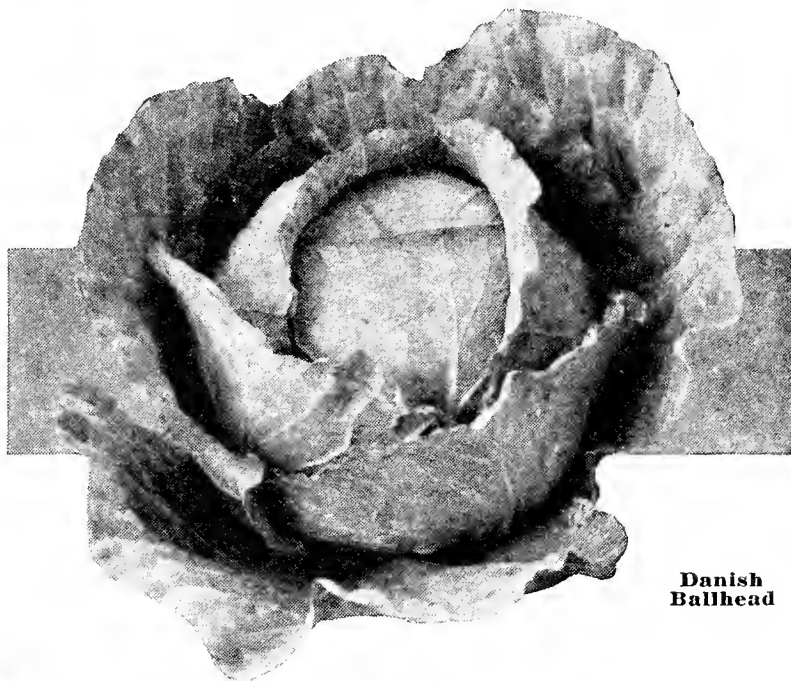
100 to 105 days. One of the finest late cabbages, especially valuable because it retains its fresh sweetness for an unusually long time in storage. The flattened heads are very compact and solid, and can be made to yield a greater tonnage per acre than almost any other. The leaves are dark green. Weight under ordinary conditions, 10 to 12 pounds; sometimes reaches 20. Pkt., 8c; oz., 15c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., \$1.00; lb., \$1.85.

EXCELSIOR LATE FLAT DUTCH

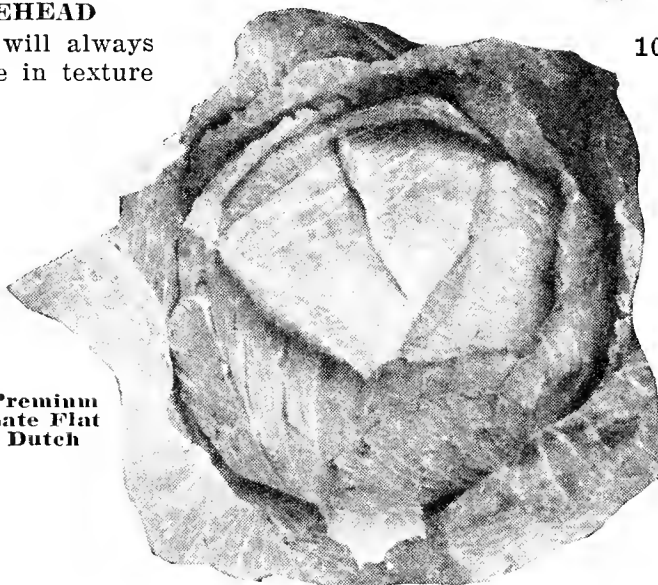
105 days. A variety which produces very large heavy flat uniform heads. When opened the leaves are very white, crisp and tender. A good keeper. Weight, 12 to 14 lbs. Pkt., 8c; oz., 18c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.



Shumway's
Improved
Surehead



Danish
Ballhead



Premium
Late Flat
Dutch

PREMIUM LATE FLAT DUTCH

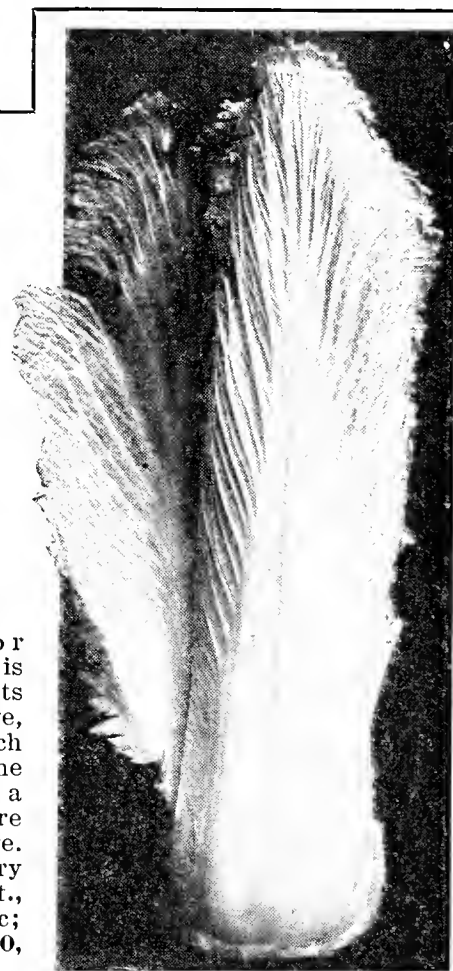
105 days. The best of the very large, late cabbages. Heads round, flat, firm and of good quality. Popular for home and market garden and for fall shipment. Keeps well throughout the winter. 12 to 14 pounds. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.20; lb., \$2.25, postpaid.

NOTICE: If you are in the market for large quantities of cabbage seed, 3 lbs. or over, write for special quotations.

Chinese or Celery Cabbage

WONGBOK

This variety seems to be an improvement over all the others, therefore we are only listing the one. The seed should be sown in the latitude of northern Illinois about the last week in July or first week of August. The one outstanding requirement for good celery cabbage is cool weather. The plants rapidly produce large, tightly folded heads which are well blanched in the heart. Very desirable as a salad, and boiled it is more palatable than cabbage. Don't pass up this very popular vegetable. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.60; lb., \$3.00, postpaid.



CARROTS

Culture: 1 oz. will sow 75 to 100 ft.; 3 to 4 lbs. to the acre. Carrots will do well in almost any soil but will produce the best on a loam, well fertilized. Sow the seed as early as possible, arranging your rows about 18 to 24 inches apart, thinning out the seedlings to two or three inches apart in the row. Sow the seed about an inch deep. Sow seed about every two weeks up to the middle of July and a supply of tender roots will be available until your winter roots are ready for storage.

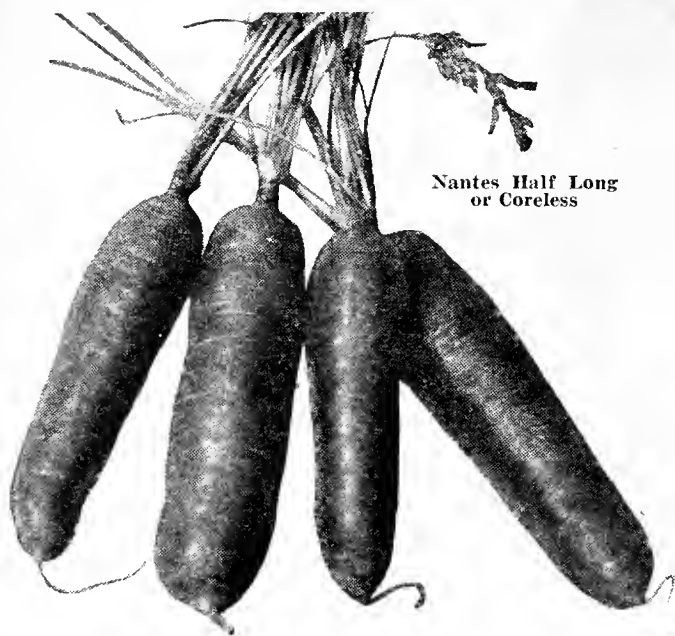
Carrots are now recognized as one of the most important vegetables, rich in vitamins and health-bringing elements. They are always included in a well ordered diet, and medical authorities insist that they be fed regularly to children. Young carrots, properly prepared are a real delicacy.

NANTES HALF LONG or CORELESS

68 days. This early strain is highly recommended for both the home and market garden. It has an exceptionally beautiful appearance and is of unsurpassed quality. Its shape is cylindrical, stump-rooted, and about 6 inches long. The flesh, which is a red orange and coreless, is unusually sweet, melting, tender, and smooth. Excellent for forcing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 5 lbs., \$5.50, postpaid.

SELECT DANVERS HALF LONG

75 days. Probably the most widely grown of all types and the standard of the late varieties. Handsome in appearance, with a smooth skin and deep orange-red color; medium-sized tops. Somewhat less of the stump-rooted type than the Chantenay, its length is about 6 to 7 inches, tapering uniformly to a blunt end from a $1\frac{1}{4}$ inch shoulder. Flesh is a bright orange-red, close-textured, brittle and tender, with little core. Grows vigorously in a greater variety of soils than any other. A very heavy yielder, sometimes producing 25 to 30 tons per acre. Excellent cooking qualities, fine shipper; keeps well in storage for table use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 5 lbs., \$5.50, postpaid.



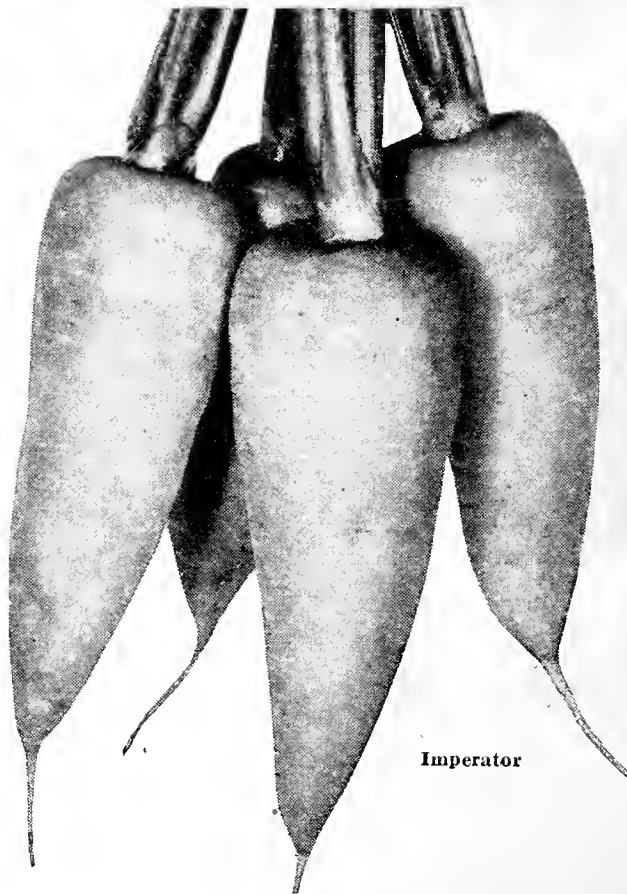
Nantes Half Long
or Coreless

IMPERATOR

(See Color Plate)

The Last Word in Carrots

70 days. A newly developed variety which at last supplies the demand for a long carrot equal in quality to the best shorter types. The roots are most attractive, with a deep orange skin, and flesh of the same hue throughout. They are a little longer than Danvers, have sloping shoulders, and taper slightly toward the lower end. The tops are just the right size for bunching. The flesh is brittle and tender, with a sweet, delicate flavor. Highly recommended for the home and market garden, and for shipping. Length 7 to 8 in. Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00. Limited Stock.



Imperator

SHUMWAY'S SCARLET PERFECTION

A very early, long variety, with a smooth skin and deep orange color. The flesh is excellent in quality, and the small core is without woodiness. A carrot of exceptional merit for the home and market garden. Length 8 to 9 inches. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postpaid.

OXHEART or GUERANDE

75 days. This very short, stocky variety is noted for its ability to thrive in hard, shallow, and heavy soils where longer types will not grow at all. The roots are 5 inches long and about 4 inches thick at the top, scarlet-orange in color, blunt, and heart-shaped. Flesh is sweet flavored and fine-grained. Particularly good for table use when pulled young. One of the heaviest yielders, easily harvested, excellent keeper. Pkt., 5c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10; 5 lbs., \$4.85, postpaid.

NOTICE: If you are in the market for large quantities of carrot seed, 10 lbs. or over, write for special quotation.



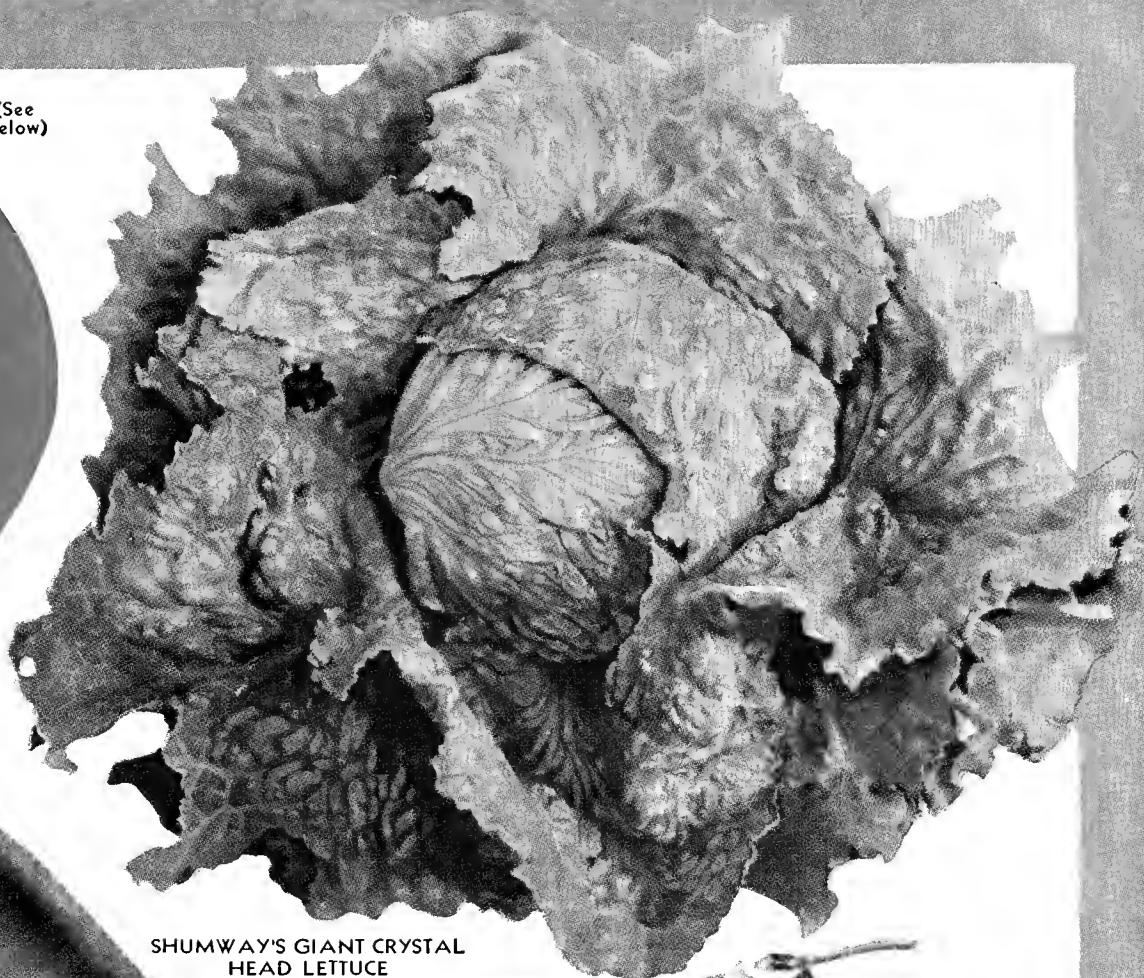
Oxheart
or
Guerande



Danvers Half Long



(See
← Below)

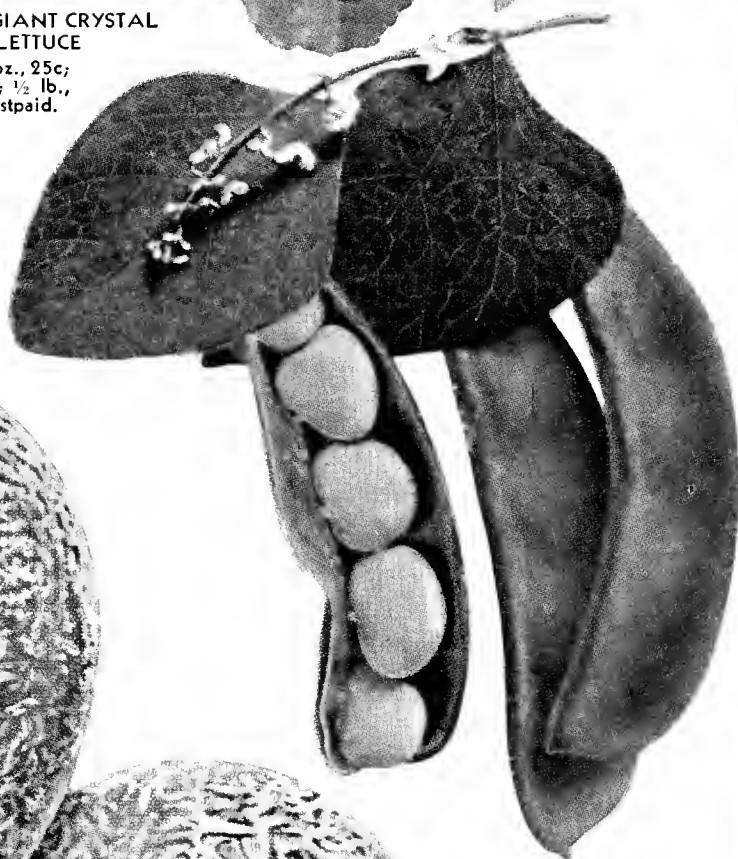


**SHUMWAY'S GIANT CRYSTAL
HEAD LETTUCE**

Pkt., 10c; oz., 25c;
¼ lb., 55c; ½ lb.,
\$1.00, postpaid.

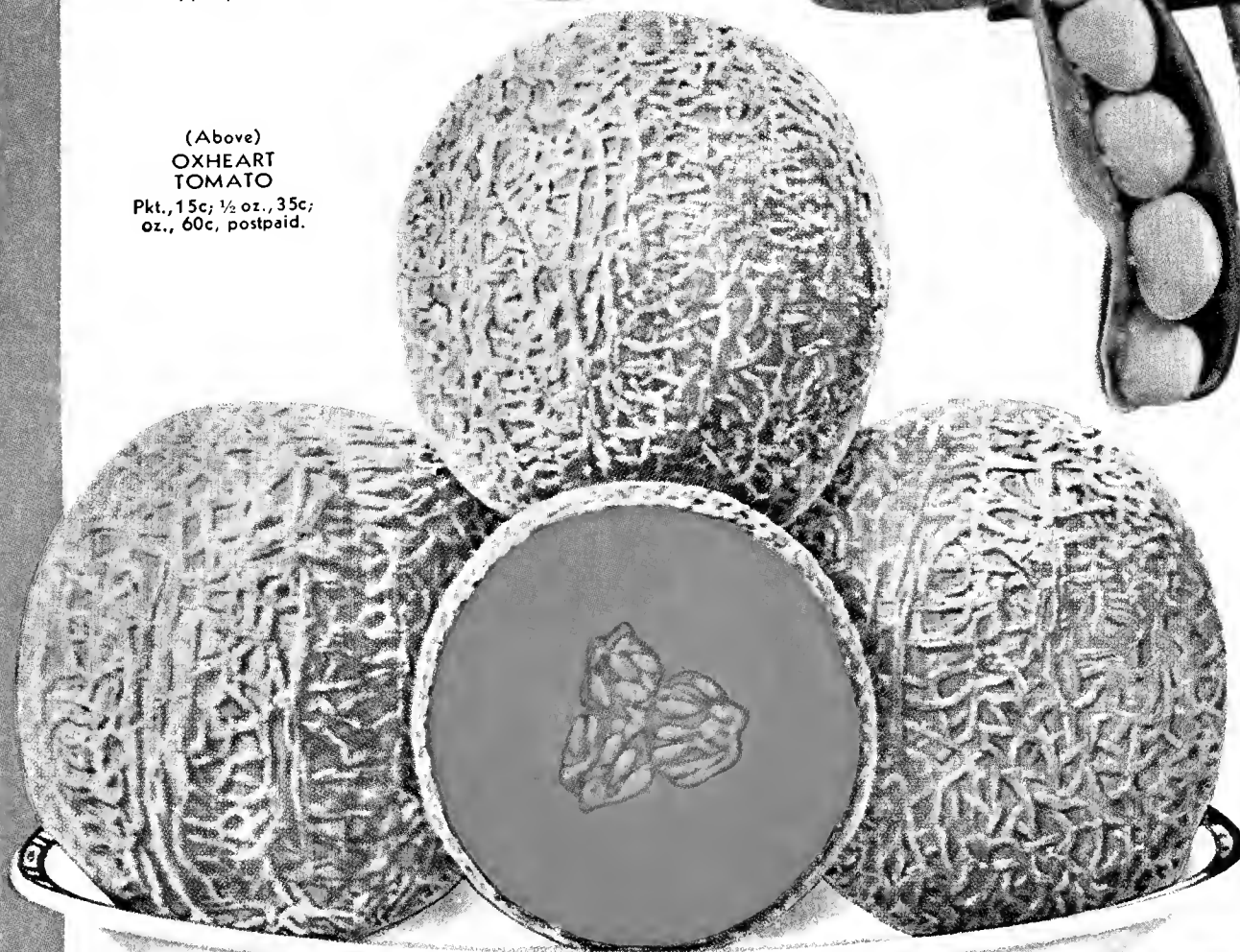


**CALIFORNIA
WONDER PEPPER**
Pkt., 10c; oz. 50c; ¼ lb.,
\$1.60, postpaid.



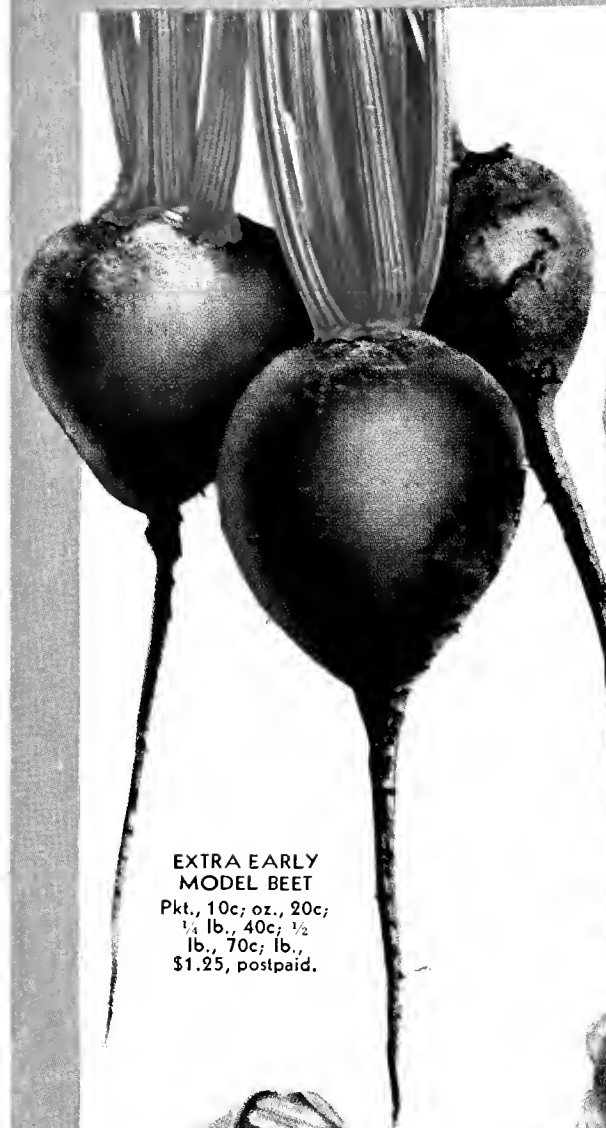
**FORDHOOK BUSH
LIMA**

Pkt., 15c; ½ lb., 30c;
1 lb., 50c, postpaid.



(Above)
**OXHEART
TOMATO**
Pkt., 15c; ½ oz., 35c;
oz., 60c, postpaid.

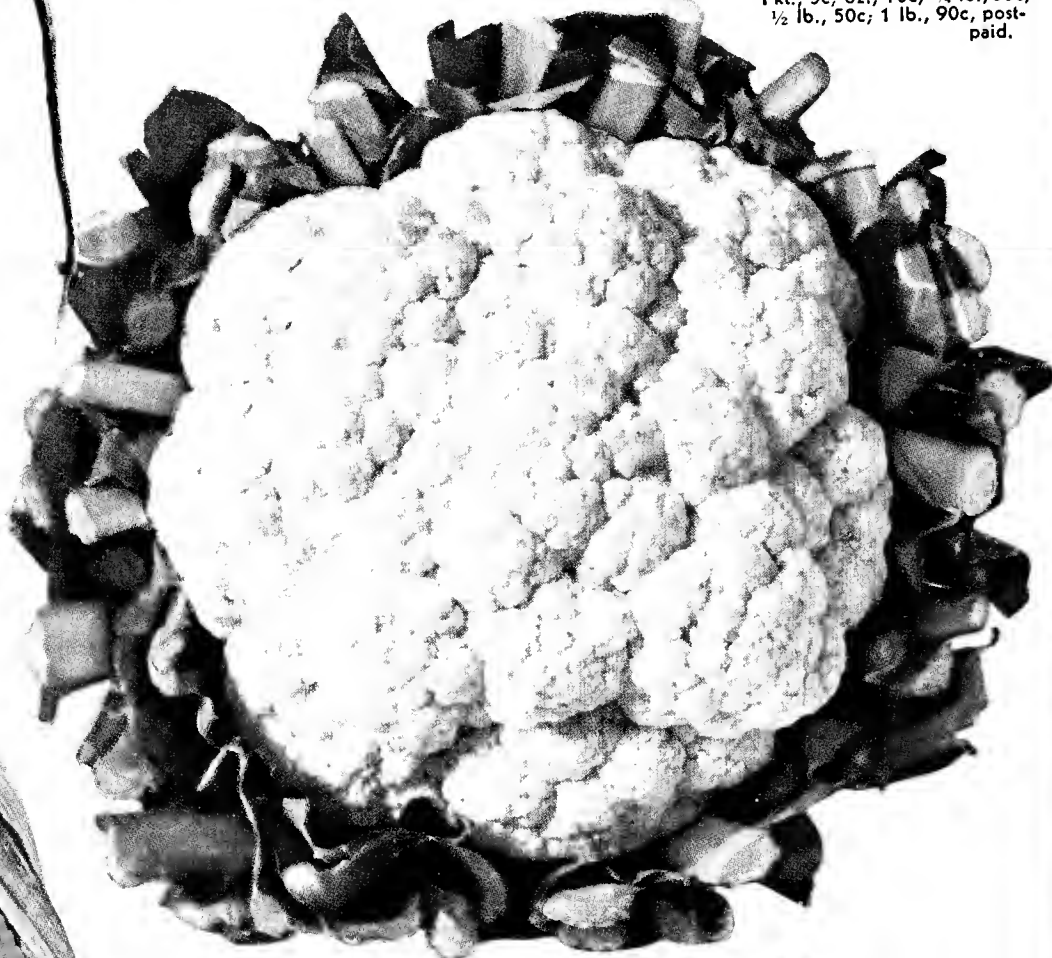
**HONEY ROCK
MUSKMELON**
Pkt., 10c; oz., 15c;
¼ lb., 45c; ½ lb.,
80c; lb., \$1.50,
postpaid.



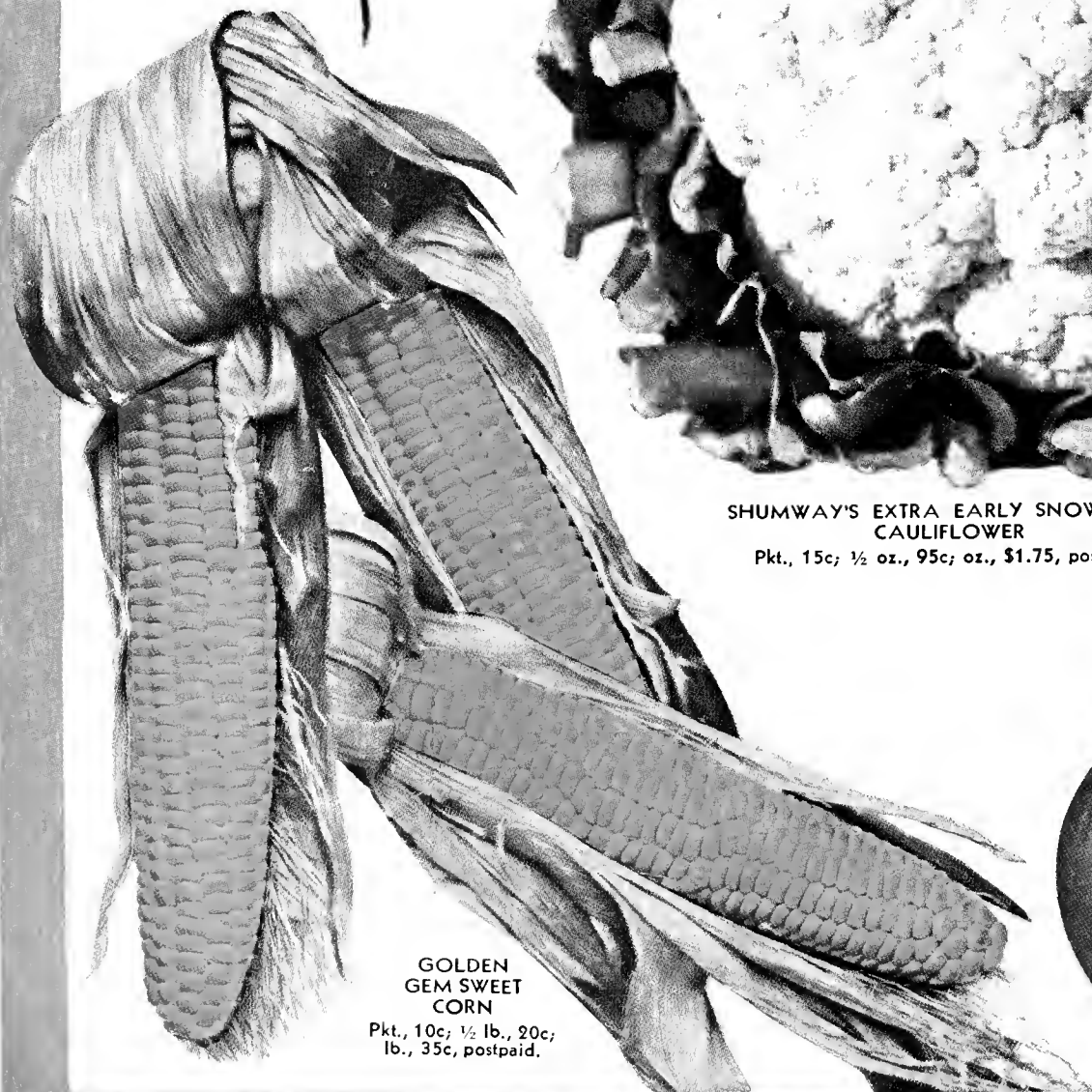
**EXTRA EARLY
MODEL BEET**
Pkt., 10c; oz., 20c;
1/4 lb., 40c; 1/2
lb., 70c; lb.,
\$1.25, postpaid.



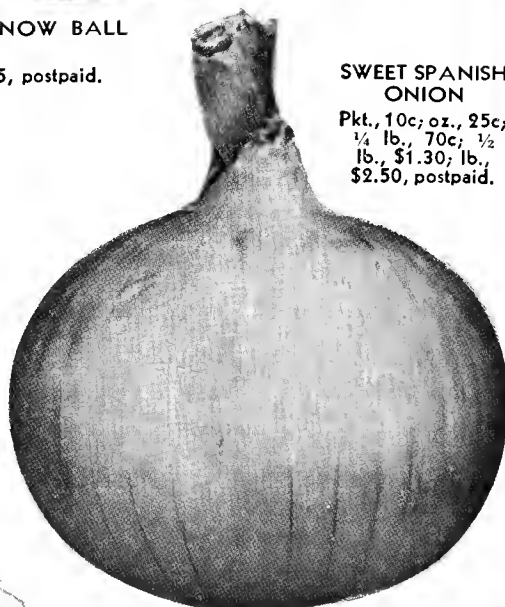
**IMPROVED
WHITE SPINE CUCUMBER**
Pkt., 5c; oz., 10c; 1/4 lb., 30c;
1/2 lb., 50c; 1 lb., 90c, post-
paid.



**SHUMWAY'S EXTRA EARLY SNOW BALL
CAULIFLOWER**
Pkt., 15c; 1/2 oz., 95c; oz., \$1.75, postpaid.



**GOLDEN
GEM SWEET
CORN**
Pkt., 10c; 1/2 lb., 20c;
lb., 35c, postpaid.



**SWEET SPANISH
ONION**
Pkt., 10c; oz., 25c;
1/4 lb., 70c; 1/2
lb., \$1.30; lb.,
\$2.50, postpaid.

CARROTS—Continued

EARLY CHANTENAY

60 to 70 days. An excellent early variety, with uniform, handsome appearance and small tops, ideal for bunching. Stub-rooted, it becomes 5 to 6 inches long with a shoulder diameter of $2\frac{1}{4}$ inches, tapering to a blunt lower end. The flesh is deep orange; sweet, crisp, fine-grained, tender, and there is no coarse core. A sure and heavy yielder, it makes a fine general-purpose carrot. Keeps well in a cool place. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 5 lbs., \$5.50, postpaid.

EARLY LONG FORCING

A long variety that may be forced. It grows rapidly and produces greater weight of roots than shorter varieties. Market gardeners may profit by using this sort as they will be able to supply carrots early while the prices are high. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50, postpaid.

EARLY SCARLET HORN

63 days. A favorite early crop variety, which is also suitable for late planting and storage. The small tops and reddish-orange roots make it an attractive type for bunching. The roots are stumpy, about 3 inches long, $1\frac{1}{2}$ inches across at shoulder, and 1 inch at blunt lower end. The flesh is delicious and tender with almost no core. Popular for forcing and early garden use. Pkt., 5c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10; 5 lbs., \$4.85, postpaid.

IMPROVED LONG ORANGE

85 days. The well-known standard field type for winter stock feeding. It also is suitable for garden and table use, and may be pulled a little before maturity for tenderness. If planted in a light, rich soil the yield is enormous. The roots are large and long, frequently reaching a length of 12 inches and shoulder diameter of 3 inches, and tapering gradually from shoulder to tip. The skin is smooth and free from rootlets; scarlet-orange in color. Unexcelled as a keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

IMPROVED LONG WHITE BELGIAN

Late. An old favorite which is grown exclusively for stock. Big yielder, averaging more than a foot in length, and tapering very gradually. Flesh and skin are white. Easily pulled, as one-third of root grows above ground. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

SHUMWAY'S EARLY MARKET FAVORITE

Considerable work has been done on this carrot in reselection for uniformity of shape and earliness. We feel that we have one of the very finest strains of carrot, one that will appeal to the most exacting buyers. It is very clean, tapering, and uniform in shape. Its color is dark orange and the core never becomes woody, rich in flavor. Particularly desirable where big production is desired for the critical trade. The home gardener should select this above all others. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 5 lbs., \$5.50, postpaid.



Early Long Forcing



Early Chantenay

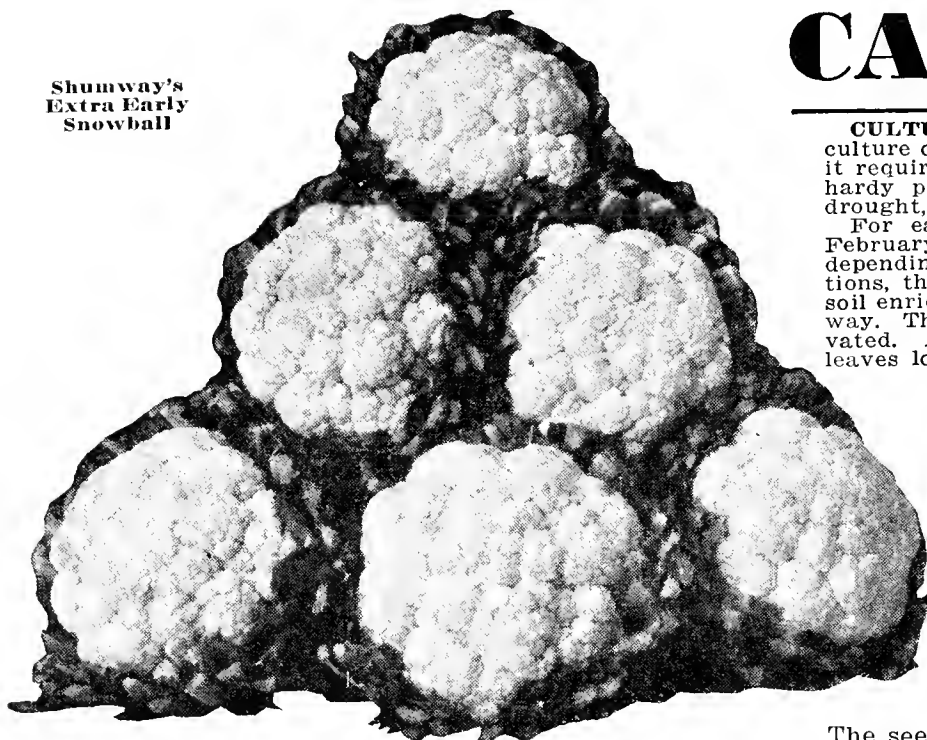


Improved Long Orange



Early Scarlet Horn

Shumway's
Extra Early
Snowball



EXTRA EARLY ERFURT

57 days after transplanting. A very satisfactory early variety. Plants are short-stemmed, of the dwarf type. Heads are white and of medium size, with a full, even shape, and firm, fine texture. This stock is equally desirable for forcing under glass and for planting in the open ground. Pkt., 10c; ½ oz., 80c; oz., \$1.50; ¼ lb., \$5.50; ½ lb., \$10.50; lb., \$20.00, postpaid.

DRY WEATHER or DANISH GIANT

65 days from transplanting. This strain, produced for us in Denmark, is especially adapted to resist drought and heat, and is therefore excellent for dry, hot sections, where it is a sure header. The heads, weighing about 2 pounds, are even larger than those of the Early Snowball, and they are solid, creamy white, and of delicious flavor. A second early, this variety matures conveniently just after Extra Early Snowball if both are planted at the same time. Pkt., 10c; ½ oz., 80c; oz., \$1.50; ¼ lb., \$5.50; ½ lb., \$10.50; lb., \$20.00, postpaid.

AUTUMN GIANT (VEITCH'S)

A late variety very suitable for fall heading. The plant is tall and the heads large and white. Abundant leaves keep the heads in good condition for a long time. This variety is not adapted for heading in conditions of summer heat and should be used only for autumn maturing (plant in May or June), or in sections where there is a long cool season. Pkt., 10c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.75; ½ lb., \$3.25; lb., \$6.00, postpaid.

Georgia Collards

A tall cabbage-like, loose-leaved plant which stands cold weather or adverse conditions very well and will grow on land which is too poor for a crop of cabbage. Most Southern gardeners will not be without it. Often called "Cabbage Bunch." Grows 2 to 3 feet high and forms large, loose, open heads. The quality is improved by frost, if not too severe. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 35c; lb., 60c, postpaid.

Corn Salad or Fetticus

Mache-Stick, Salat

An excellent and valuable vegetable for salads, which can be had constantly by successive sowings. Late sowings may be covered with straw in winter for early use in the spring. In some sections of the country it is used in place of lettuce for winter use. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25.

CAULIFLOWER

CULTURE: 1 oz. of seed will yield about 2,000 plants. The culture of Cauliflower is much like that of Cabbage except that it requires more care than the latter, Cauliflower being a less hardy plant. It is more sensitive to cold and to heat and drought, and a rich soil is more necessary.

For early Cauliflower the seeds should be planted around February first, under glass. Then in early April to early May, depending on the locality and existing weather and soil conditions, the small plants must be transplanted to a light fertile soil enriched with manure. Spacing should be about 2 feet each way. The ground should be kept thoroughly watered and cultivated. After the heads are about 2 inches across, tie up the leaves loosely with raffia, to keep the curds smooth and white.

The heads should reach maturity before midsummer heat and ought to be promptly cut while still firm.

The home gardener, if inexperienced, will find late Cauliflower a surer crop, especially Autumn Giant. Seed early in May, or later if conditions require, in a fertile plot and transplant to the field in July. Heading will then begin after the hot dry period. The interval between seeding and maturity will be around 90 to 100 days for early planting and 120 to 130 for late. Arsenate of lead or Slugshot, used before the heads appear, will kill Cabbage worms. Evergreen is effective against green lice.

SHUMWAY'S EXTRA EARLY SNOWBALL

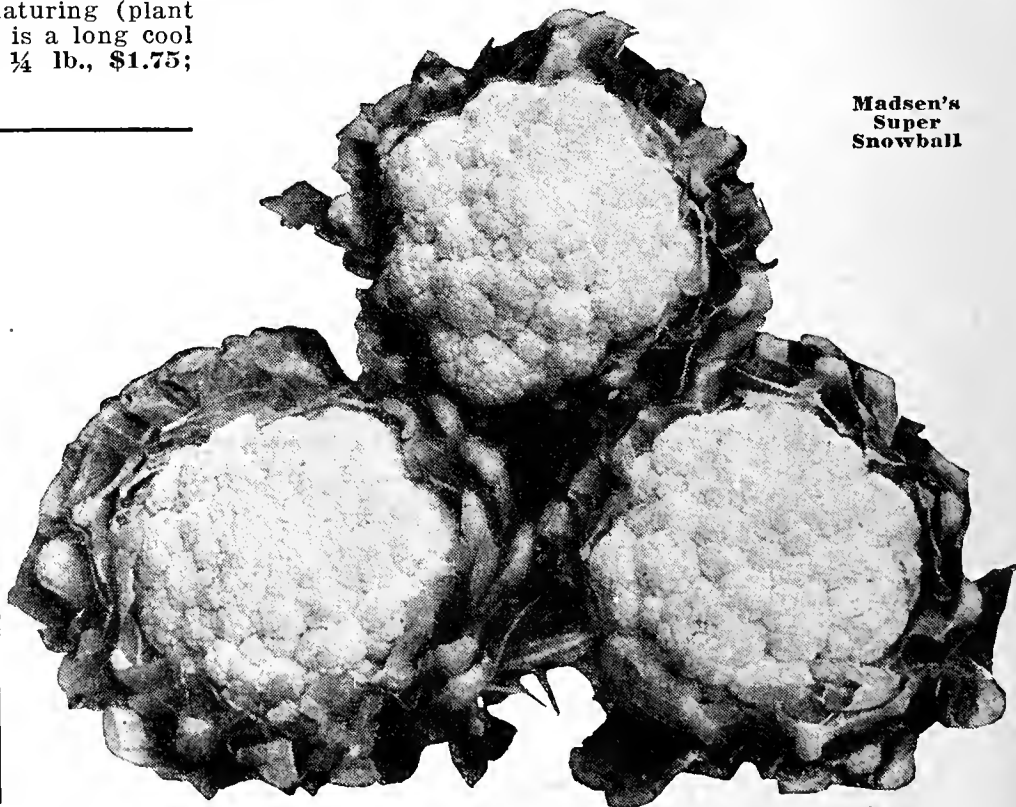
(See Color Plate)

52 days from transplanting. The standard early type, very sure heading and good quality. The seed is produced for us in Denmark from specially selected stock. The plants are dwarf, and the leaves cluster closely, protecting the heads and permitting thick planting. The heads mature early and are good-sized (7 to 8 inches in diameter), round, deep, firm, snow-white, and of fine texture. Extremely well adapted to greenhouse forcing, but good also as a late planter. Keeps well for shipping. Pkt., 15c; ½ oz., 95c; oz., \$1.75; ¼ lb., \$6.50; ½ lb., \$12.50; lb., \$24.00, postpaid.

MADSEN'S SUPER SNOWBALL

This wonderful strain of Cauliflower is the particular variety that the market gardeners have wanted for some time. Its extreme earliness, about 7 days earlier than Early Snowball, and uniformity of heading will excel the others for early marketing. Dry weather does not materially check its growth; it therefore is able to resist disease and yield heads of high grade where the other strains under similar conditions will either yield heads of inferior quality or no heads at all.

Before the foliage is full grown and the heads have begun to appear the inside leaves begin to curl and twist forming a protection. The outside foliage is strong and vigorous. This strain heads up evenly throughout the field, which no other Cauliflower is known to do. The heads are decidedly larger, deeper and more solid than the other varieties. Denmark-grown originator's stock. Pkt., 20c; ¼ oz., 85c; ½ oz., \$1.60; oz., \$3.00; ¼ lb., \$10.00.



Madsen's
Super
Snowball

CELERY



Golden Plume or Wonderful

earthing up, to a golden ivory. The stalks are thick and heavy, but their flesh is brittle and tender without stringiness; the flavor is sweet and nut-like. The thick heart forms early, and a large part of the plant is edible. Ready for use early in September. Considered one of the best table varieties. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; $\frac{1}{2}$ lb., \$2.60; lb., \$5.00, postpaid.

CULTURE: Many people are under the impression that Celery is difficult to grow. It is not, where you have the proper soil and follow this method: Start the seed indoors and transplant into the open ground about the middle of May. The soil should be light and rich. Set the plants about 8 inches apart; where the soil is quite rich they may be grown closer. Do not cultivate around the Celery when it is wet with dew or rain. Keep well cultivated and fertilized.

GOLDEN PLUME or WONDERFUL

A splendid new variety, of very early maturity, which is more thoroughly resistant to blight, rust, and heat than other quick growing, easy blanching types. The plant is vigorous, stocky, thick, compact; and the creamy whiteness of the stalks crowned with the gold of the leaves makes a fine appearance in the garden. The stalks blanch quickly, and have a crisp, brittle quality and a delicious nutty flavor. This celery is very popular with the home gardener, for its culture is simple, requiring no banking. It is also a favorite with the market gardener, who finds its quick sure growth and high quality very profitable. Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$1.70; $\frac{1}{2}$ lb., \$3.25; lb., \$6.00, postpaid.

GOLDEN SELF BLANCHING

An outstanding yellow type, standard for market and shipping. Plants are of medium growth, 20 to 24 inches tall, and very stocky. Leaves are yellow-green and stalks blanch readily, with little



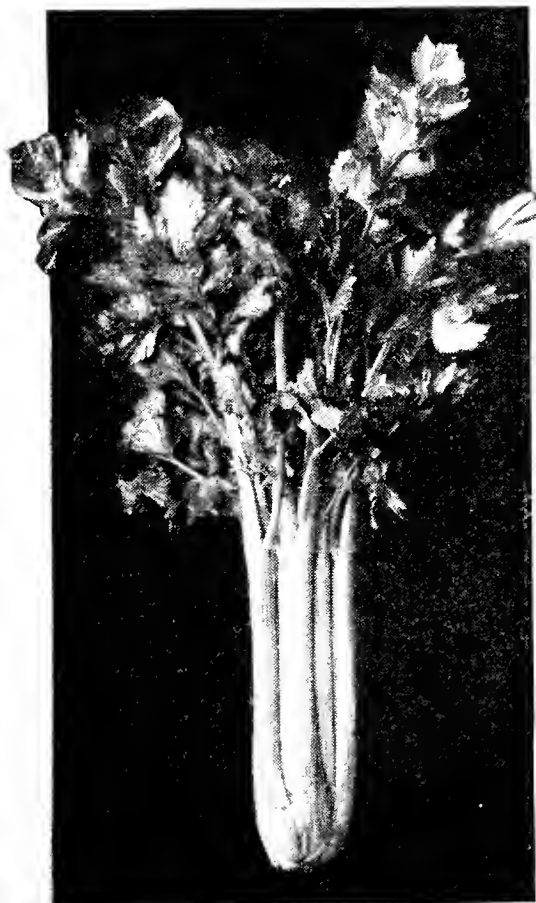
Golden Self Blanching

GIANT PASCAL

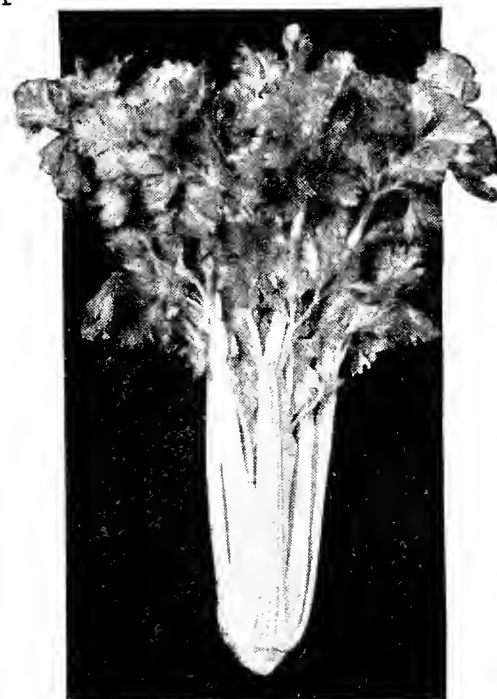
Matures late. Unquestionably the finest sort for winter use at home and for the nearby markets. Too brittle for shipping. Stalks very large, thick, solid, and of splendid quality. It blanches quickly and easily to a beautiful creamy yellow. A selection from Golden Self Blanching, inheriting its good qualities with the added advantage of keeping better. Extremely large hearts; rich, nutty flavor. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.40; lb., \$2.75, postpaid.

WHITE PLUME

The most desirable white variety, ideal for the early market. The plant is large, full hearted, with white stalks and green leaves, sprinkled with white, making a very fine show in the garden. Its self-blanching quality makes only a little earthing-up necessary. The stalks are thick, firm, and snowy-white, and the flesh, brittle and tender with a rich nutty taste. This type is unsurpassed for attractiveness and table qualities. It should be used in season and not stored. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.60; lb., \$3.00, postpaid.



White Plume



Giant Pascal

**See Pages 2-3 for Quantity
Prices—Not Prepaid**



Kalamazoo

CELERY—Continued

KALAMAZOO

A variety creamy white in color, large size, of perfect shape, straight, solid and of excellent flavor. A beautiful appearing celery in the market, meeting with ready sale. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.30; lb., \$2.50.

GIANT WHITE SOLID

An improved and enlarged strain developed from White Solid. The plant grows compactly and produces hearts almost twice as large as those of any other Celery. The flesh is crisp and tender with a rich nutty flavor. A fine winter sort, keeping exceptionally well. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.30; lb., \$2.50.



Giant White Solid

Celeriac (Turnip-Rooted Celery)

A root vegetable obtained from celery by selective breeding. The root, which is the edible part, is turnip-shaped. Sowing should take place at same time as for ordinary celery, and culture is much the same. Transplant to well watered and

fertile soil, spacing rows 2 feet and plants 6 inches. No earthing up is necessary.

LARGE SMOOTH PRAGUE. An improved strain with large well formed roots; smooth and with few rootlets. Imparts an excellent celery flavor to stew or soup. Delicious when boiled and sliced cold for salad. Keeps well for winter, especially if packed in damp sand or placed in kilns like turnips or carrots. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.30; lb., \$2.50, postpaid.



Celeriac (Turnip-Rooted Celery)

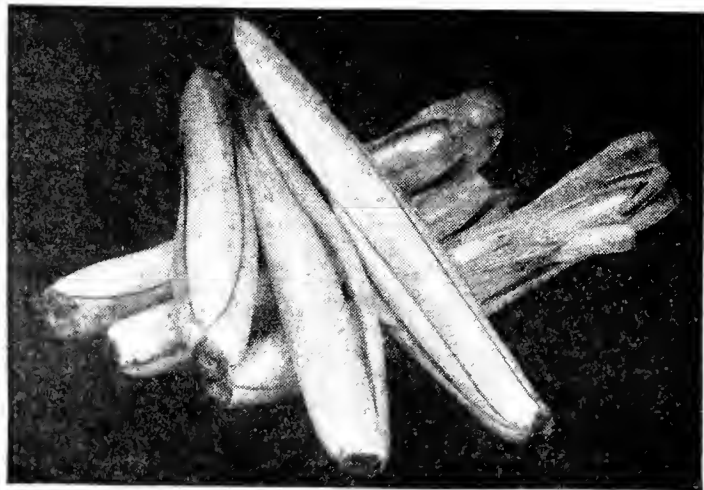
Cress or Pepper Grass

CULTURE: Sow the seed quite thickly in rows 3 to 6 inches apart under glass, or if wanted for summer use, 1 foot apart in the open ground. This seed should be sown for succession as it runs to seed very quickly. 1 ounce of seed for a 75 foot row.

EXTRA CURLED. These crisp pungent leaves are cut finely and used for garnishing or as a condiment. Particularly nice when used in combination with lettuce as a salad, or with White London Mustard, chopped well, for sandwiches. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00, postpaid.

UPLAND CRESS. This variety resembles Water Cress, as its leaves and their flavor are very similar. However, this strain succeeds best in dry soil. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.50; lb., \$2.75, postpaid.

WATER CRESS. This variety requires a stream of running water or a pond, in which it will thrive without any care. It also does well in a shady place where it can be watered plentifully. It can be grown in tubs with rich soil, and kept in a shady position, providing it is well supplied with water, in fact where the soil is kept covered with water. It has a delightful pungent flavor, making it desirable for salads. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c; $\frac{1}{2}$ lb., \$1.80; lb., \$3.50, postpaid.



Witloof or French Endive

CHICORY

WITLOOF or FRENCH ENDIVE. A choice delicacy for winter salads. Always a favorite in Europe, it has now become standard in best hotels and restaurants in this country. Sow seed in May or June, 1 inch deep, rows about 18 inches apart. Thin out to 6 inches apart in the row. In the fall lift the roots, trim leaves to 1 $\frac{1}{2}$ inches from crown, break off side roots, and shorten main roots to 9 inches. Then place roots upright, 2 inches apart, in a trench or box 18 inches deep (in cellar or green-house) and fill with light, rich soil. In 4 to 6 weeks delicious, creamy white sprouts will be ready for cutting. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50, postpaid.

SWEET CORN

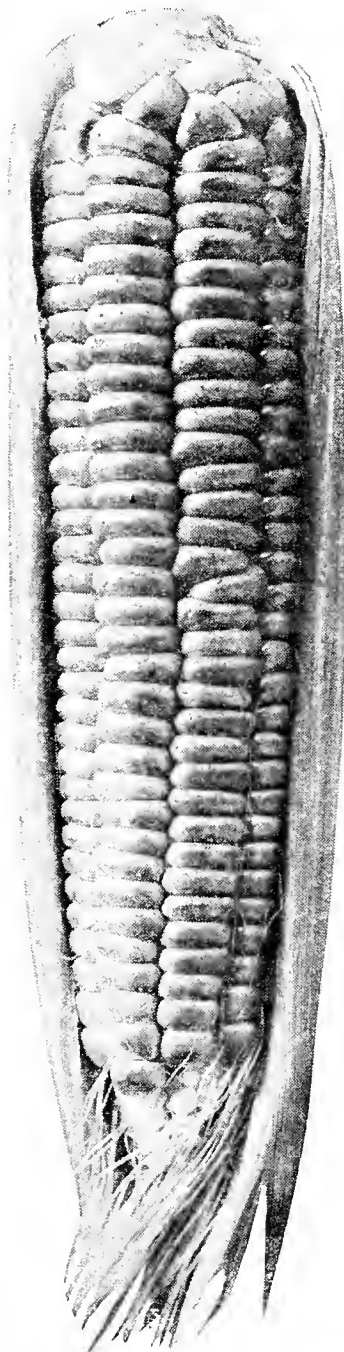
CULTURE: Do not plant too early, as the seed is liable to rot in cold ground. If the spring is early it is well to risk part of your seed, as the plants, very often, when they are once up, escape injury of early frost. Plant either in rows or hills, the rows 3 feet apart, and thin out the plants so they will stand 10 to 12 inches apart in the row.

GOLDEN SUNSHINE

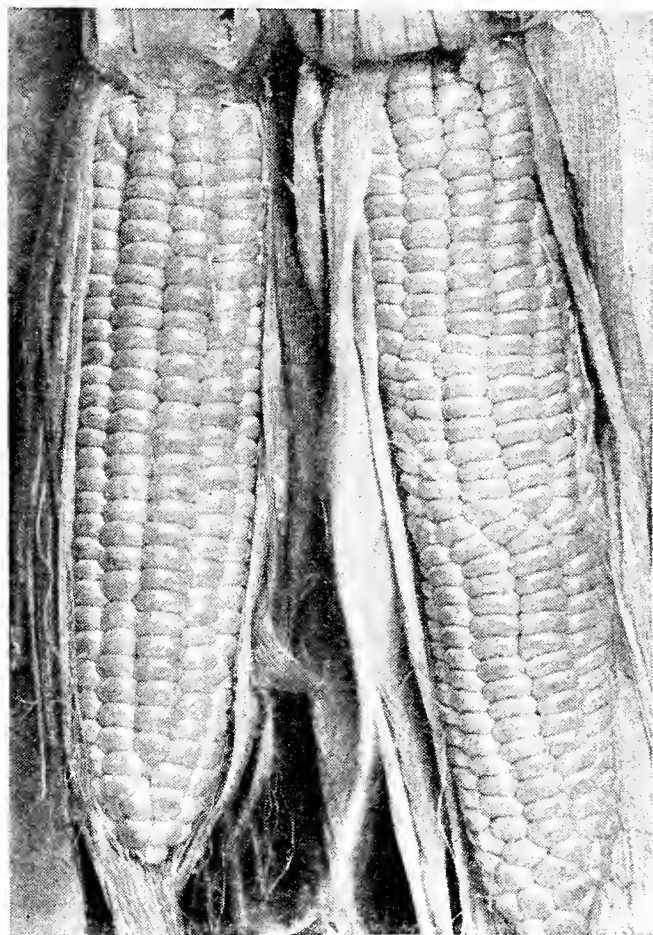
70 days. A quite new, remarkably fine, extra early variety, originated through selective breeding by Professor A. F. Yeager of the North Dakota Experiment Station. It is 5 days earlier than Golden Bantam and stays in table quality for a greater length of time. The ear is about one inch longer and has 10 to 12 rows instead of 8. The kernels are sweeter, more tender, and a lighter yellow in color. The plant is taller and more vigorous. Because of its earlier maturity, longer season, and superior quality, it brings better prices than the Bantam and is displacing the latter in many markets. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid.

GOLDEN BANTAM

75 days. Still the most popular early sweet corn, and the standard of the yellow varieties. The ears are very uniform, 6 to 7 inches long, with 8 rows. Many people overlook the fact that no corn is Golden Bantam unless it is about that length and has exactly 8 rows. The kernels are broad and evenly set; rich golden yellow in color, tender, sweet and palatable. Some-



Golden Bantam



Golden Sunshine

what dwarf in habit, the plants measure only about 4 ½ to 5 feet in height when full grown, but usually yield two ears to the stalk. A sure cropper, very productive, and equally valuable for home or market garden. Pkt., 7c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

GOLDEN GEM

See Color Illustration

65 to 68 days. An entirely new variety developed by the North Dakota Experiment Station, and the earliest yellow sweet corn on the market, producing ears earlier than Golden Sunshine. The ear is about the same size as Sunshine, but has only 8 to 10 rows. In quality, tenderness, and sweet flavor, it is inferior to none. The plant is exceedingly short, but vigorous and productive. Because of its extreme earliness and high quality, this variety is certain to be a great favorite, especially in localities with a short growing season. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35, postpaid.

WHIPPLE'S EARLY YELLOW

70 to 75 days. A new medium early, yellow variety valuable for its large ears and excellent quality. The ears are 8 to 10 inches long and have 14 to 16 rows of deep kernels, very tender and sweet. A fine type for either the home or market garden. A good yielder. Pkt., 10c; ½ lb., 18c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.

MAMMOTH WHITE CORY

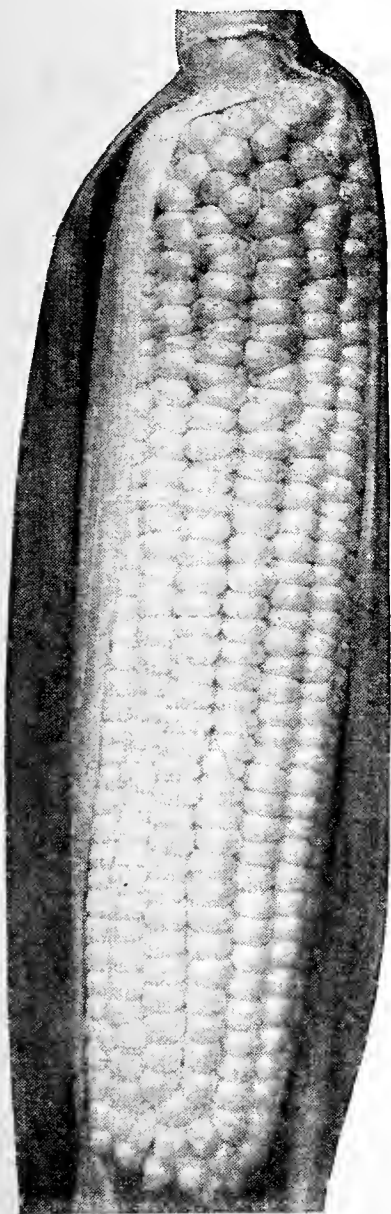
65 days. A valuable extra early white sort, much used by the truckers to supply the early markets. The plants are dwarf, but vigorous, bearing thick, handsome ears (usually two) 6 to 7 inches long, with 12 rows of compactly set, deep grains, medium in size. The kernels are tender, sweet and succulent. Very desirable for table use. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.15, postpaid.

CHAMPION SUGAR

70 days. Second early variety which ranks high in the markets. This is considered one of the earliest large sweet corns. Medium sized ears with 12 uniform rows, pure white kernels, tender and sweet. Pkt., 7c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

NOTICE—Truckers and Market Gardeners:

Mail in your list of requirements of seeds for special prices on large lots. WE CAN SAVE YOU MONEY.



Mammoth White Cory

SWEET CORN—Continued

SHUMWAY'S EXTRA EARLY MARKET GARDENERS

65 days. An outstanding, luscious, early strain of sweet corn. An exceptional variety for market gardeners as the name implies. The kernels are silvery-white and extremely sweet. It remains in table quality for a considerable period, which makes it particularly profitable. In this variety we consider we have one of the best varieties of sweet corn offered. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.

HOWLING MOB

So named on account of the unusual demand for it wherever offered.

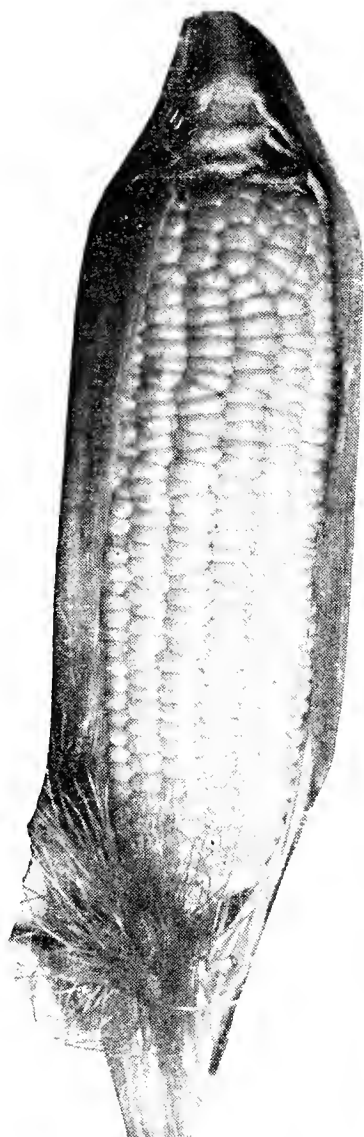
85 to 88 days. A superb second early sort. The robust plants, 4½ to 5 feet tall, produce large ears, usually two, 7 to 7½ inches long, with 12 rows of medium-sized deep-set grains, pearly-white, tender, juicy, and deliciously sweet. No other type can surpass it in flavor. It is a favorite trucker's variety because it combines large size with high quality; and it dominates many markets. Also desirable for the home garden. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15, postpaid.

BLACK MEXICAN

88 days. A choice second early variety recommended for the home gardener. It has a distinctively sweet, delicious flavor, which many discriminating people believe no other corn can equal. The ears are 8-rowed, 8 to 9 inches long. The grains are pearly-white and very tender when in table condition, and do not become bluish-black until fully ripe. A great favorite with those who know it. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.

WHITE MEXICAN

67 days. A good large extra early variety that has become very popular in many places on account of its superb quality, size and earliness. It is rich and sweet and is ready for use shortly after Mammoth White Cory. A variety we recommend highly. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15, postpaid.



Shumway's Extra Early
Market Gardeners

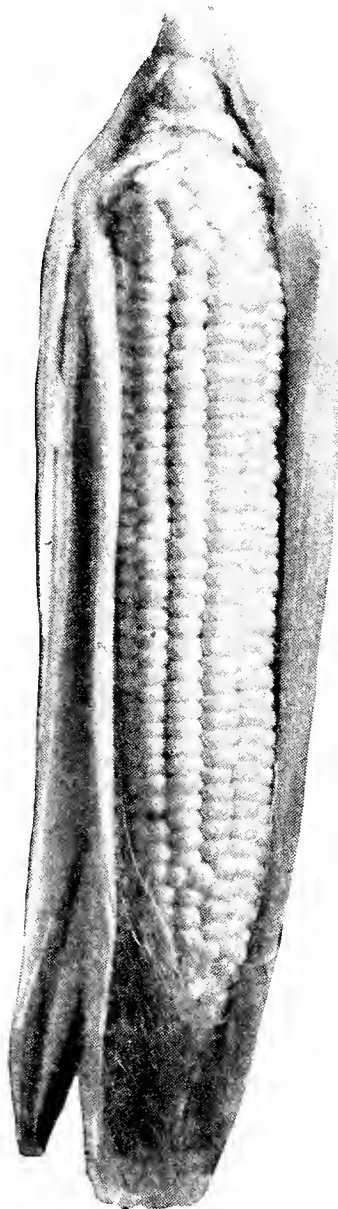
Our packets of sweet corn
weigh about 3 ounces.

EARLY MINNESOTA

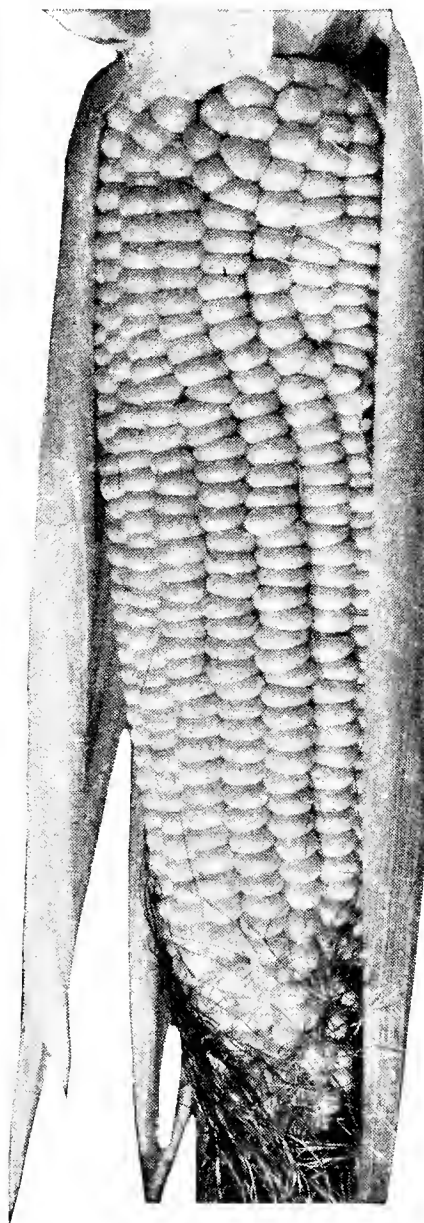
65 to 70 days. A second early variety, only a little later than Mammoth White Cory. Plants grow to 6 feet and usually yield two ears. Ears are 7 to 8 inches, with 8 to 10 uniform rows. The white kernels are sweet and tender. A good cropper, dependable and productive, especially suitable for the northern border states. Pkt., 7c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

COUNTRY GENTLEMAN

110 days. An old favorite white variety belonging in the late main crop class. The ears are ready to pick at a time when the earlier types are going off the market, and they remain in table condition for an unusually long period on account of the heavy husks. They are good sized, 7½ to 9 inches, with a small cob and very deep pearly-white grains, closely and irregularly set, with no rows. The "shoe-peg" nickname by which the corn is known arose from the peculiar kernel shape. They are tender and have a sweet milky flavor. The plant grows 6½ to 7 feet tall and is very prolific, often yielding three ears. Exceptional canning variety. Pkt., 8c; ½ lb., 18c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.



Howling Mob



White Mexican



Country Gentleman

See Page 2 for Quantity Prices—Not Prepaid

SELECT WHITE EVERGREEN

100 days. The finest Evergreen type, remaining a little longer "in the milk" than the others. Ears are 8 to 10 inches long with 16 rows of deep, slender, pure white grains. The plants are vigorous and the yield heavy. This variety remains in table condition longer than any other sweet corn. Very desirable canning variety. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15, postpaid.

EARLY EVERGREEN

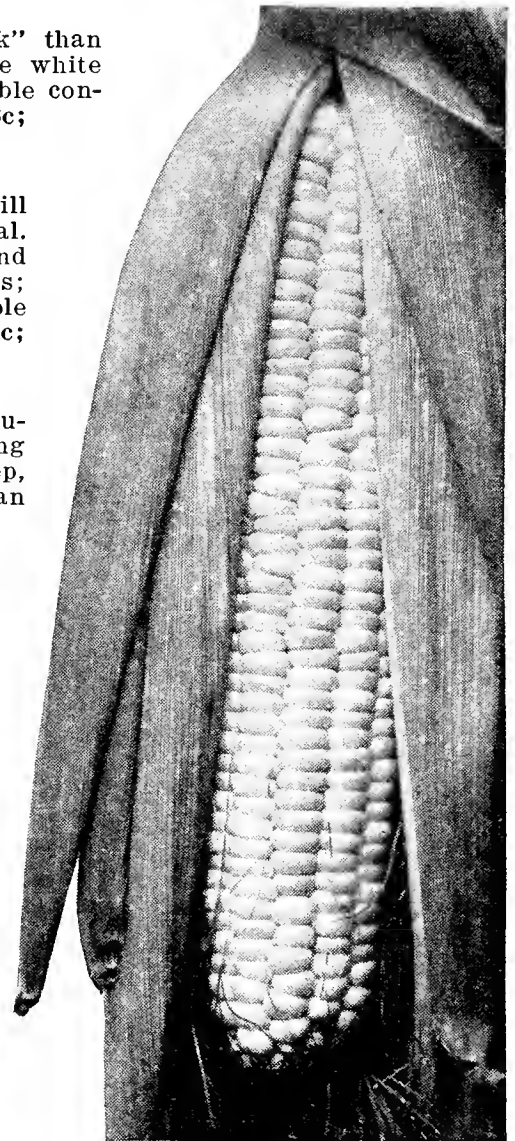
80 to 90 days. A selected strain of Stowell's Evergreen bred for earliness, it will produce edible ears a week to ten days earlier, on the average, than the original. For this reason it is a valuable market sort, providing a succession to the second early types. In other respects its qualities are practically identical with Stowell's; ears 7½ inches long; 12 to 14 rows; deep white luscious kernels, remaining in table condition a long time. A favorite in northern, cooler localities. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15, postpaid.

STOWELL'S EVERGREEN

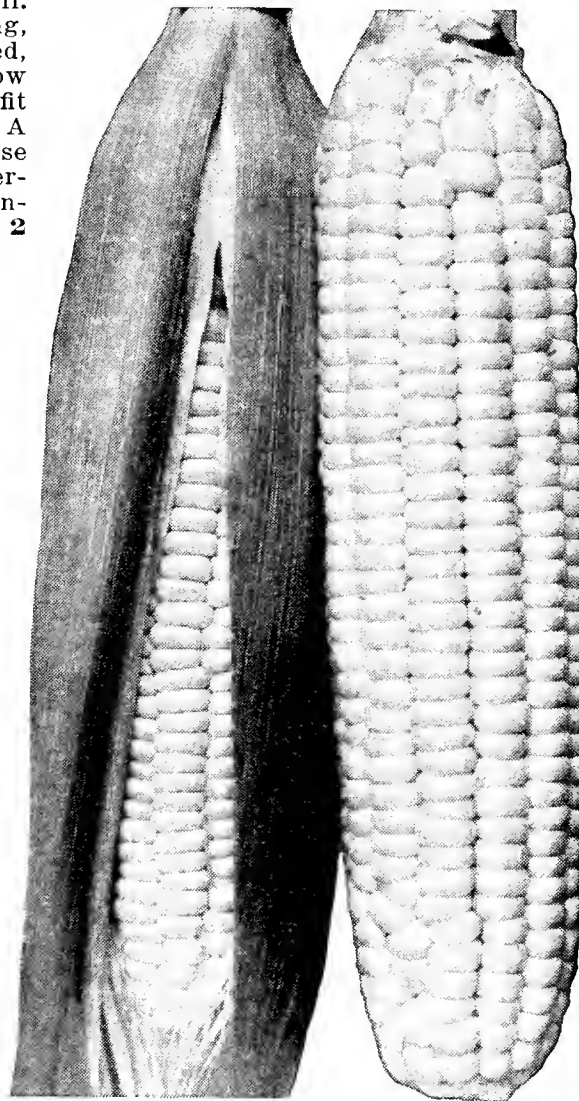
105 days. The standard late variety, widely grown by market gardeners, and popular for the home garden and for canning. The stalks are 7 to 7½ feet tall, producing ears about 8 inches long with 14 to 20 closely packed rows. Kernels are very deep, white, tender, and sweet flavored. This type remains in table condition longer than most others. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15, postpaid.

GOLDEN EVERGREEN

95 days. An excellent sweet corn produced by cross breeding Golden Bantam and Stowell's Evergreen to secure the best qualities of each. The plants are sturdy and vigorous, 6 to 7 feet tall. The ears are large, 7½ to 8 inches long, with 14 to 18 rows of closely placed, deep, tender grains of creamy yellow color and delicious flavor. Remains fit for table use over a long period. A favorite with market gardeners, because it preserves the larger size of the Evergreen along with the quality of the Bantam. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15, postpaid.



Stowell's Evergreen



Golden Evergreen

EXTRA EARLY ADAMS

65 days. Not really a sugar corn, but suitable for table use if picked young. It is much used for the table in the South, and it is prized highly for roasting. The ears are about 4½ to 5 inches long by 1¾ inches thick, with 12 to 14 rows. The kernels are white and sweet, and when young are fairly tender. Very hardy, this type can be planted earlier than the sugar corns and is highly disease resistant. An excellent feed for stock. Pkt., 5c; ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

POP CORN**AUSTRALIAN HULLESS**

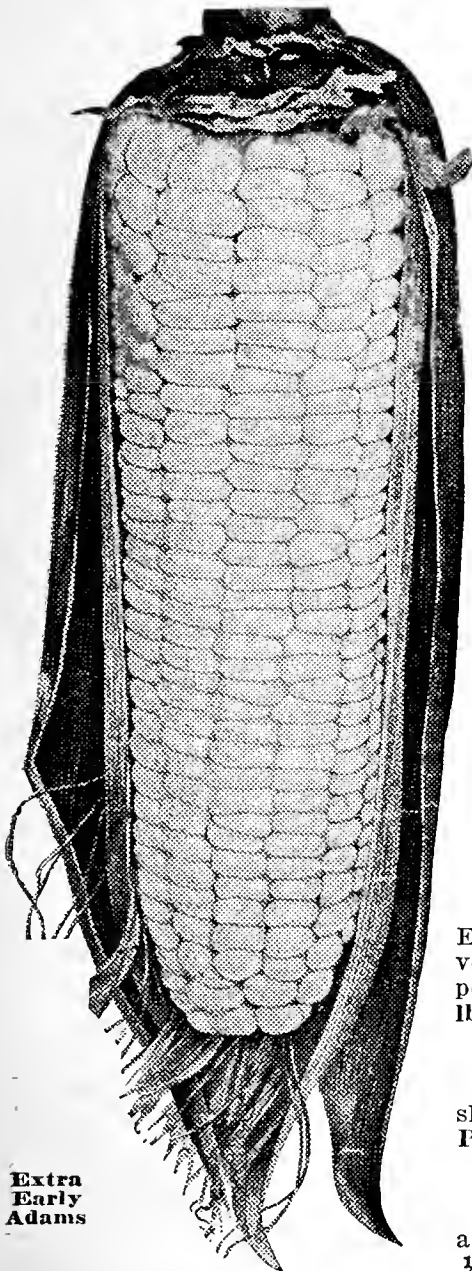
Also known as Japanese Rice. A dwarf growing variety that is a very heavy yielder. Ears are peculiar in form, being nearly as broad as they are long. The kernels are very similar to those of White Rice. It is considered the best popping variety as it pops without hull or shell. Pkt., 5c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 10 lbs., \$2.20, postpaid.

WHITE RICE

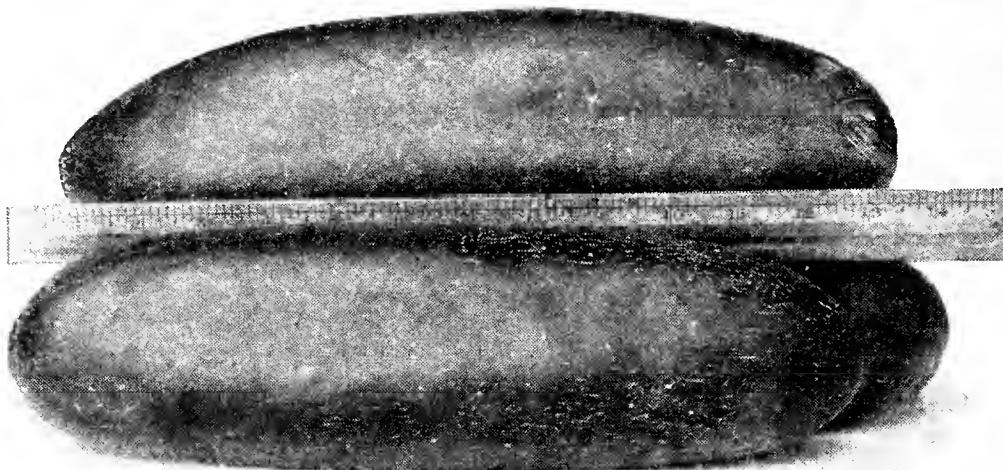
The old standard variety which has been in use for many years. Long ears with very sharp kernels. Very prolific variety as ears are usually produced 3 or 4 to the stalk. Pkt., 5c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 10 lbs., \$2.20, postpaid.

QUEEN'S GOLDEN

This variety produces the largest ears of any and in great abundance. The kernels are orange-yellow in color, round and very smooth. It pops a creamy white. Pkt., 5c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 10 lbs., \$2.20, postpaid.

Extra
Early
Adams

CUCUMBERS



Improved Long Green

EXTRA EARLY LONG GREEN

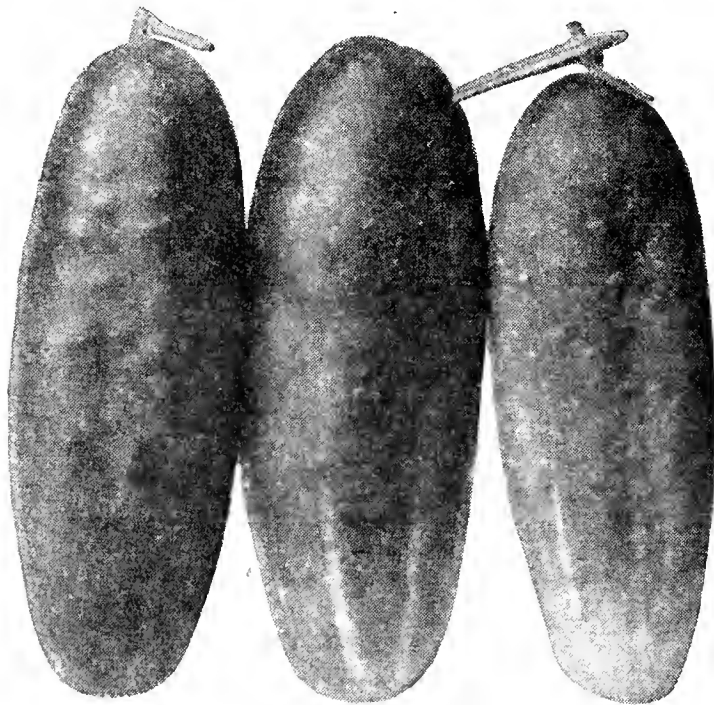
60 days. Quite similar to the Improved Long Green, but a little earlier and smaller. White crisp flesh; few seeds. Very attractive in shape and color. About 10 by 3 inches. Productive in any soil or climate. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.15; 5 lbs., \$5.25, postpaid.

EARLY FORTUNE

65 days. An outstanding early type for long distance shipping. It is much grown in the South for early shipment to northern cities, and has recently become a very popular variety with the northern market gardeners. It has a fine dark green color and remains in table condition longer than any other white-spined variety. The flesh is white, solid, and crisp, with an unusually small seed cavity. A very succulent and delicious cucumber when sliced for the table. Heavy yielder. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$5.15, postpaid.

SHUMWAY'S FANCY PICKLING

52 days. A perfected pickling strain sometimes called Snow's Pickling. The cross was suggested by R. H. Shumway and worked out with Mr. Snow, who was one of the early cucumber picklers of the country. The vine is enormously productive and unusually disease resistant. Fruits become 5 inches long by 2½ inches thick, and are round-ended and symmetrical, with a dark green skin, black-spined. Flesh is good quality. This variety is very widely used by pickling works. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 5 lbs., \$5.15, postpaid.



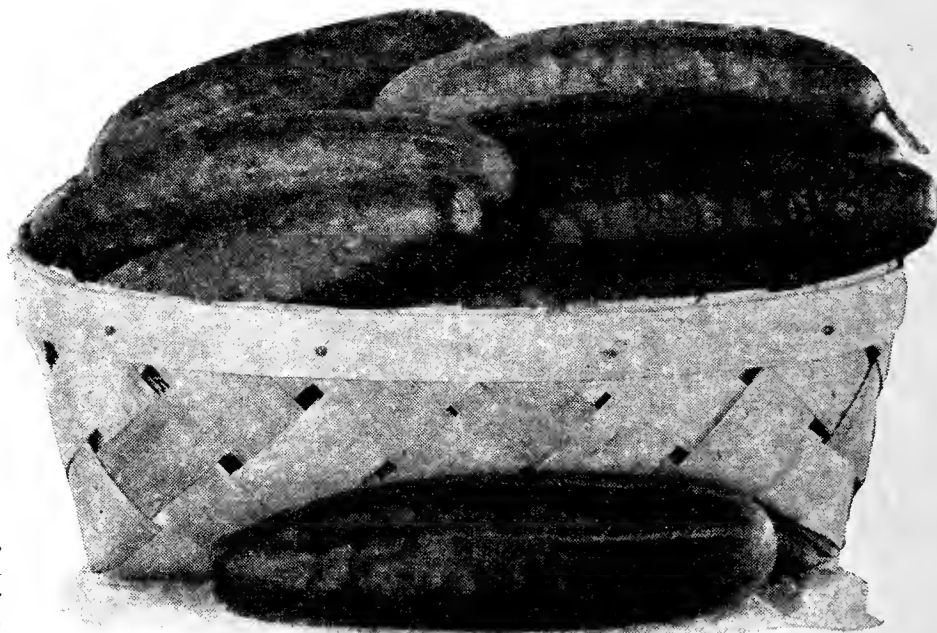
Shumway's Fancy Pickling

CULTURE: Cucumbers may be planted in the open ground as early as the ground is workable, but it is better to delay the planting until the weather has become settled and warm. Cucumbers for pickles should be planted from June until the middle of July. Sow the seed in hills 4 to 6 feet apart in a rich loamy soil, thinning out the hills after the plants are established so that there will be 4 of the strongest plants remaining. This of course is not to be done until the danger from insects is over.

The worst enemy of the Cucumber is the Striped Cucumber Beetle. The best remedies for this insect are "SLUG SHOT" or "Kalite" and for the Aphis use "EVERGREEN" or "Red Arrow." See Page 95.

IMPROVED LONG GREEN

70 days. The standard general purpose variety, excellent for both slicing and pickling. The fruits are 12 to 14 inches long, about 3 inches thick, straight, tapered a little toward the stem end, and colored a rich green with black spines. The flesh is white, solid, and crisp, with a choice flavor. The young cukes are splendid for pickling, the full-grown ones for slicing, and the ripe yellow ones for sweet pickles. The fruits mature almost as rapidly as smaller varieties, and the vines are prolific. Very popular for the home garden. Pkt., 10c; oz., 17c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25; 5 lbs., \$5.35, postpaid.



Early Fortune

SHUMWAY'S GREAT GIANT

75 to 80 days. Fruits produced by this variety, if allowed to mature, will sometimes reach the enormous size of 24 by 4½ inches. For this reason it is an excellent novelty cucumber for showing at County Fairs, Granges, and Agricultural shows. To secure perfectly straight specimens, it is necessary, as with the Longfellow, to place the growing fruit on a flat board or to smooth the ground under it. The color is excellent. When still young, the Giant makes an exceptional slicing variety, for the flesh is crisp and delicious with only a small seed cavity. Pkt., 10c; oz., 25c; ¼ lb., 70c; ½ lb., \$1.30; lb., \$2.50, postpaid.

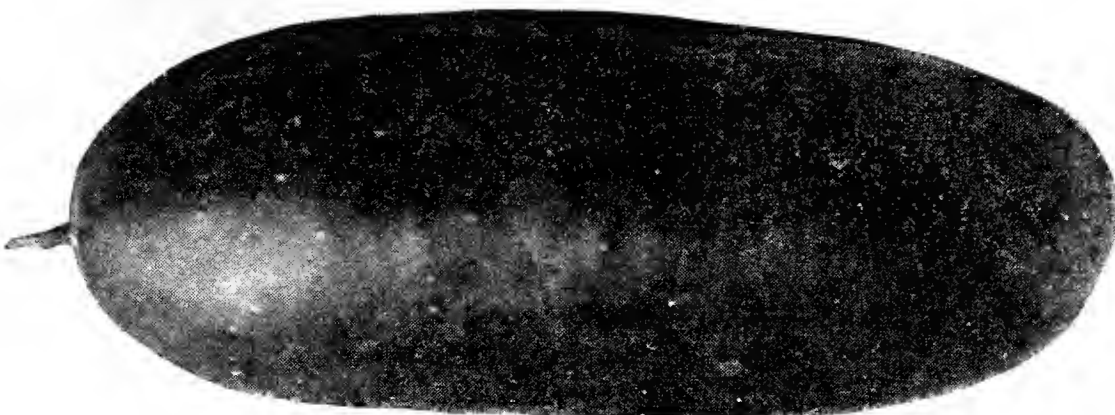
EVERGREEN WHITE SPINE

65 days. An unsurpassed table sort with white, sweet, crisp juicy flesh, and a small seed cavity. The fruit is long and shapely, about 11 by 2½ inches, with a dark glossy green skin. The plant is exceedingly vigorous, hardy and productive. Fruits remain fresh and delicious a long time after picking. A very valuable sort for market garden and for shipping; also excellent for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

NOTICE: If you are in the market for large quantities of cucumber seed, 10 lbs., or over, write for special quotations.

FORDHOOK PICKLING

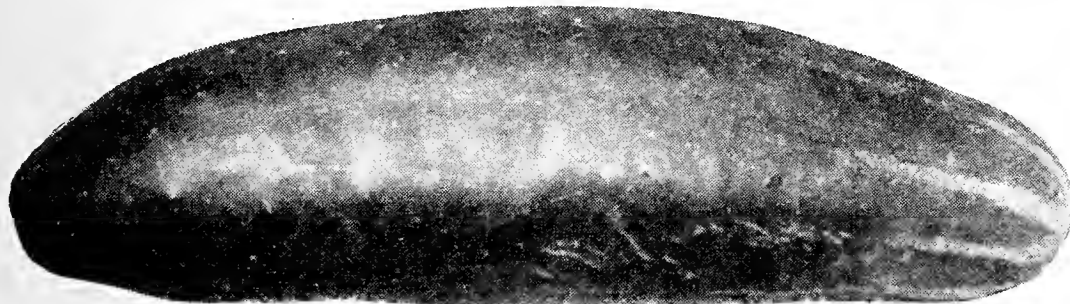
54 days. In many localities the most popular pickling cucumber. Size is about 8 by 3 inches, and both ends are somewhat tapered, with warts mostly toward the stem end. Vines are prolific and remain in vigorous growing condition a long time. Color deep green. Flesh is very white and juicy; skin is tender even when pickled. Desirable also for slicing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.



Westerfield's Chicago Pickling

LONGFELLOW

72 days. Unquestionably the finest of the large white-spined varieties. It is long, 12 to 15 inches, slender, and round-ended. The fruit, dotted with white spines, is a uniform dark green. Because of its length and weight it takes the form of the soil beneath; so to secure perfectly straight



Longfellow

specimens it is necessary to smooth out the ground under the growing fruit. The flesh is firm and of good quality with few seeds; excellent for slicing. This variety is equally suitable for green-house forcing or field culture. Its hardy growth makes it highly disease resistant. The large, uniform size, handsome appearance and good quality make it a profitable type for the fancy trade. A good shipper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.

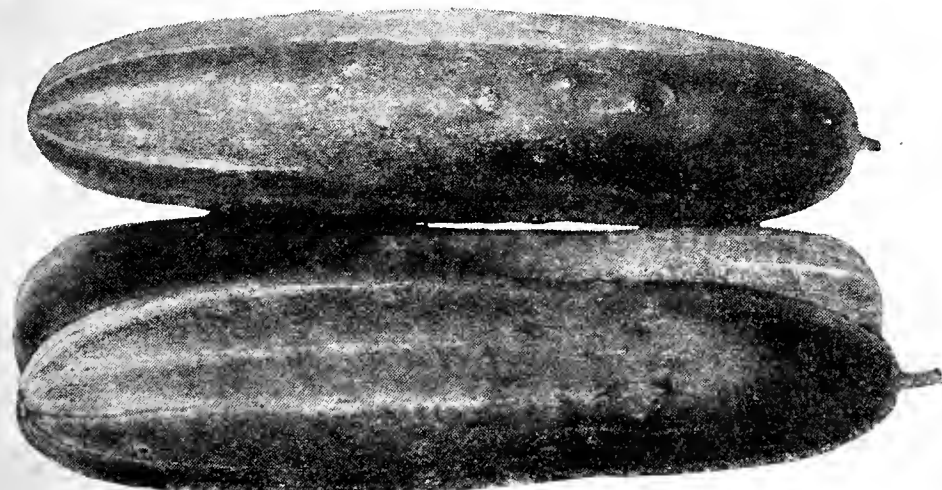
EVERBEARING

52 days. An ideal type for early small pickles that is bound to be more popular when it becomes generally known. The plants are enormously prolific and if kept picked will continue producing until killed by frost. The fruits are rich dark green, about 4 to 5 inches long, and stubby but well shaped. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

IMPROVED WHITE SPINE

(See Color Plate)

58 days. An early standard prolific white-spined type, very popular with home growers. The fruits are about 7 by 2 $\frac{1}{2}$ inches, uniform, nearly cylindrical and little tapered, an attractive medium green in color, with white lines toward the blossom end, but no pronounced ridges. The flesh is of excellent quality and flavor, good for either slicing or pickling. Widely used also for shipping. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

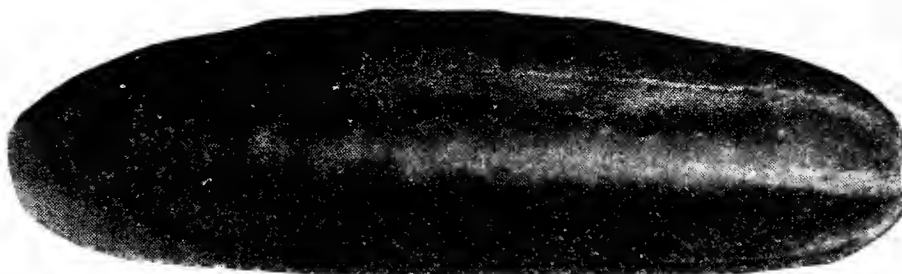


Improved White Spine

WESTERFIELD'S CHICAGO PICKLING

58 days. A valuable and reliable small early pickling variety. Fruits are uniform in size and shape, 7 inches by 2 $\frac{1}{2}$ when full-grown, tapering only slightly toward ends, good color, black-spined. Vines bear continuously if fruits are picked; very productive. Combines all qualifications for best type commercial pickle. Also good for slicing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00; 5 lbs., \$4.50, postpaid.

See Pages 2-3 for Quantity Prices—
Not Prepaid



Cool and Crisp

COOL AND CRISP

55 days. This admirable sort is excellent for slicing, living well up to its name in quality of flesh. It is about 8 by 3 inches, tapered toward both ends, and somewhat ridged and warted. The color is a beautiful dark green, lighter toward the stem end. Very early and prolific, producing during the whole season. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

GREEN PROLIFIC

55 days. Sometimes known as Boston Pickling. Of good quality and fit for slicing, but because of its small size, 5 by 2 $\frac{1}{2}$ inches, it is more popular for pickling. It produces early and yields a large and continuous crop if vines are kept plucked. The fruits are bright green, smooth, uniform, and square-ended. Excellent for early pickles. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

EXTRA EARLY GREEN CLUSTER

52 days. One of the most popular early pickling sorts, especially for slicers. The fruits frequently grow in clusters of 2 or 3, and the plants are very prolific, yielding continuously over a long season if kept plucked. The fruits are uniform and have a good size and shape for pickling, 5 $\frac{1}{2}$ by 2 $\frac{1}{2}$ inches, tapering only slightly toward each end. The skin is smooth with few spines, and the flesh white and juicy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

CUCUMBERS—Continued

Novelty Cucumbers

SERPENT or SNAKE

Although actually a muskmelon, this variety has always been classed as a cucumber. The fruits are green and average about 24 inches long. They take on a variety of grotesque and interesting shapes and never grow straight unless suspended. A show type without much value for table use. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25, postpaid.

GARDEN LEMON

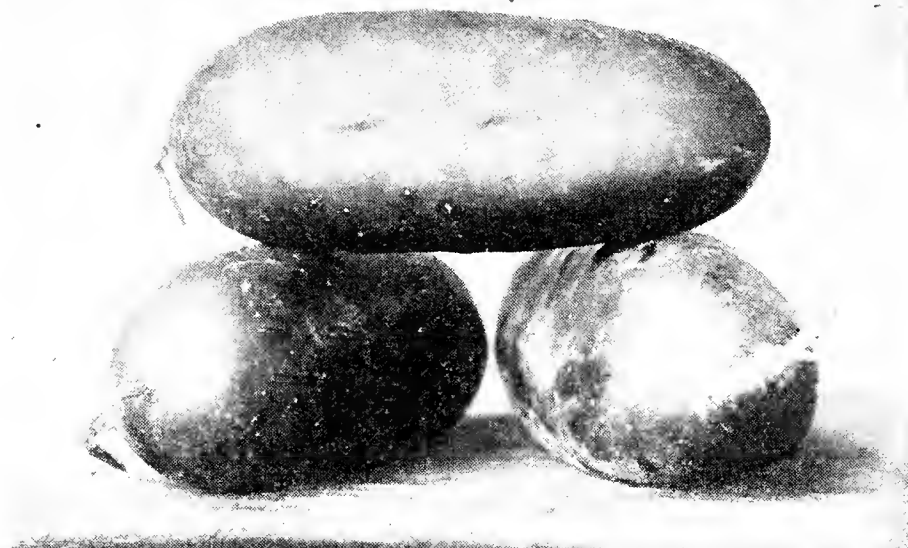
Otherwise known as Mango Melon or Vine Peach. It is not strictly a cucumber, though it is usually classed as such. The fruits are very small with lemon colored skin flecked with brown. An enormous yielder. Its chief use is for salads. Very good also when stuffed with relishes, or when fried in butter before ripe. When ripe and mellow, the fruits are excellent for pickles, pies, or preserves. A desirable substitute when fruit for any reason is not readily obtainable. Pkt., 10c; oz., 25c, postpaid.

JAPANESE CLIMBING

58 days. A distinct variety notable for its heavy, large-leaved, climbing vine. Very useful and ornamental for covering porches, trellises, and fences. Not only this, but the fruit has excellent eating qualities; the flesh is white and crisp with a mild flavor. The fruits become about 9 by 2½ inches, and have a dark green color in the slicing stage, turning to a netted russet yellow when ready for pickling. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50, postpaid.

Garden Suggestion

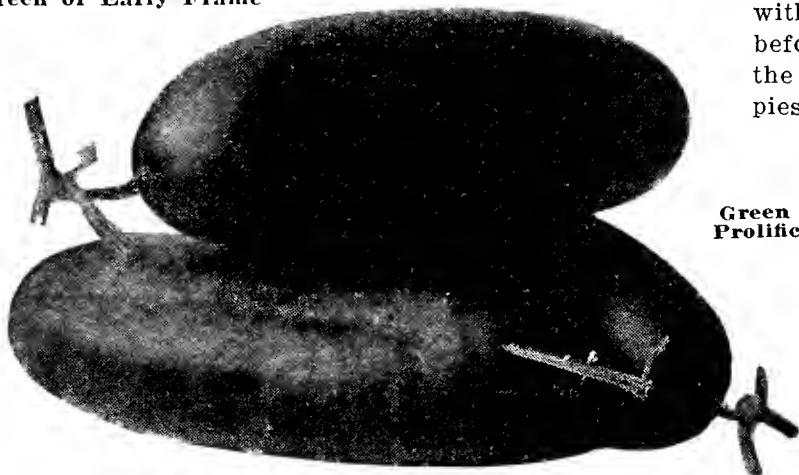
When first planting of Peas is through, spade in the vines and plant cucumber or put in second planting of beets or carrots.



Short Green or Early Frame

SHORT GREEN or EARLY FRAME

58 days. An excellent early sort for the second crop of pickles, being a little late in maturing. The fruits are a bright medium green, turning to russet when fully mature; good-sized, about 7 by 2½ inches, square ended, fine quality. Popular for the home garden and for slicing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.



Green Prolific

DAVIS PERFECT

65 days. A favorite white-spined variety, 10 to 12 inches long, about 2 inches thick, tapering slightly to each end. The color, a glossy dark green, is held for a considerable time after picking. The flesh is firm, translucent, and delicious. The seed cavity is small and the seeds, tender and juicy. The plants are prolific, vigorous, and blight-resistant. A fine slicing type, also valuable for shipping. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 5 lbs., \$5.35, postpaid.



Davis Perfect

WHITE WONDER

58 days. A unique variety producing fruits that are pure white in color from the time they begin to form until they are fully mature. The skin is smooth and very thin. The fruits grow to a good size, about 8 by 2½ inches, round-ended. Flesh is solid and crisp and of good flavor; very nice for slicing and for salads. A fine exhibition type. Heavy yielder. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.

WEST INDIA GHERKIN or BURR

60 days. Of Jamaica origin and not strictly a cucumber. In demand for very small pickles and for stuffing with relishes. The fruit is oval, about 2 inches by 1 inch, pale green, and covered with small elastic prickles. Must be picked while young and tender. Exceedingly prolific. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.



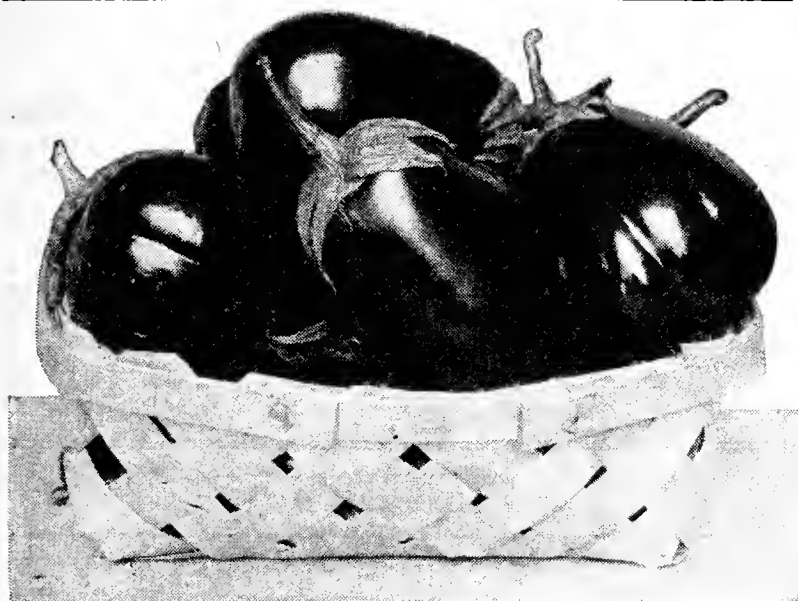
Gherkin or Burr



White Wonder

Egg Plant

CULTURE: The egg plant is a delicious vegetable that would be much more widely grown if better known. The plant is delicate, needs a fairly high temperature for germination, and will not stand frost, but with a little care can be successfully cultivated. Sow seeds in a hotbed in February or March about one inch deep. When about 2 inches tall, transplant to small pots or to beds, spacing plants 2½ or 3 inches. When there is no danger of frost or cold weather, set out in open ground in rows 3 feet apart and 2½ feet in the row. The soil must be rich. One ounce yields about 1000 plants.



BLACK BEAUTY

135 days. Without question the earliest and best of the large fruited types. The fruits are large, egg-shaped, symmetrical, with a dark purplish-black luster. The skin is spineless and smooth. The fruits preserve their color and freshness a long time. A vigorous grower, producing uniformly large fruits right through until frost under favorable conditions. The best adapted type for the northern states because of its earliness. Superb appearance, size and quality make it the prize type for fancy vegetable markets. Average weight 2 to 3 pounds. Pkt., 10c; oz., 45c; ¼ lb., \$1.20; ½ lb., \$2.30; lb., \$4.50, postpaid.

NEW YORK PURPLE

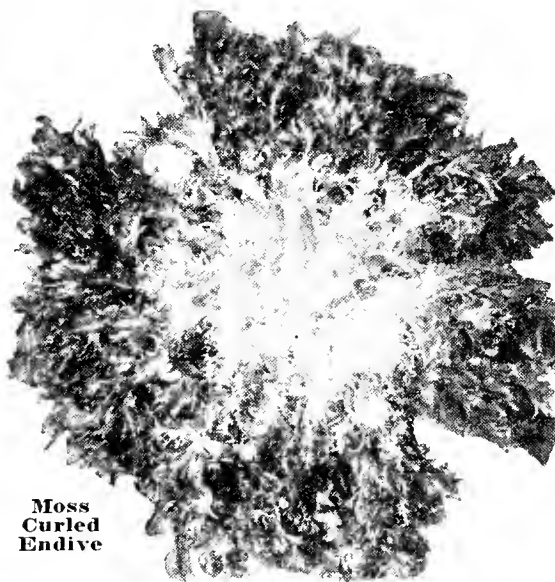
The standard variety for market gardeners and shippers. Very profitable on account of its extremely heavy yield. The plants are dwarf, wide-spreading, and strong, each one producing from 4 to 10 fine large oval fruits during the season. The color is dark purple, the skin smooth and the flesh of good quality, solid and meaty. A favorite also with the home gardener. Fruits 4 to 6 inches long, nearly round. Pkt., 10c; oz., 40c; ¼ lb., \$1.15; ½ lb., \$2.20; lb., \$4.35, postpaid.

ENDIVE

CULTURE: One ounce of seed to a row 200 feet long. Sow seed from middle of June until last of August for fall and winter use. When plants are 2 or 3 inches high thin out to one foot apart. When not quite full grown they must be bleached before they are fit for table use. This is done by tying up all the outside leaves with raffia or yarn to keep the light and air from the inner leaves. They will bleach in about 3 or 4 weeks. Be careful not to tie the leaves when they are wet as this will cause rotting. Ready for eating in 65 to 75 days.

EXTRA FINE MOSS CURLED

The most widely grown strain for fall and winter crop and best for general use. Very hardy and vigorous. The leaves of this variety are a bright deep green and are finely cut, giving a mossy appearance. The center is easily blanched to a delicate white. An excellent salad plant of pleasant flavor, available long after the Lettuce season is over, and more easily grown. Used also boiled as greens. Pkt., 10c; oz., 15c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00, postpaid.



Moss
Curled
Endive

ENDIVE—Continued

BROAD LEAVED BATAVIAN (ESCAROLLE)

This endive, which is larger than other sorts, is unsurpassed for salads. Its broad, thick, fleshy leaves are twisted and waved, bright green in color, and have midribs nearly white. The inner leaves form a fairly solid head which blanches to a deep creamy white. Extremely crisp and tender and of most agreeable flavor. Often served boiled like spinach. Pkt., 10c; oz., 15c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00, postpaid.

Finnocchio or Florence Fennel

This vegetable should be more widely grown. It is particularly palatable when served boiled with a cream dressing. The flavor is like celery, though it has a sweet, spicy taste and a delicate odor all its own. Excellent for salads.

When the enlargement of the leaf stalk at the base of the stem is about the size of a hen's egg, it is well to cover it half way up with earth. Ten days after this has taken place, cutting may be started and continued as the plants grow. This variety responds readily to liberal watering. The seed should be sown from July 15 to August 1. Pkt., 10c; oz., 25c; ¼ lb., 75c; ½ lb., \$1.25; lb., \$2.00, postpaid.



Ornamental Gourds

The various types of gourds make very interesting annual climbers which rapidly cover fences, trellises, or any unsightly objects which one might wish to obscure from view. The ornamental fruits which they bear are very attractive. In our mixed packets there is a considerable number of sorts yielding various odd and curious gourds, many of which make delightful toys for children.

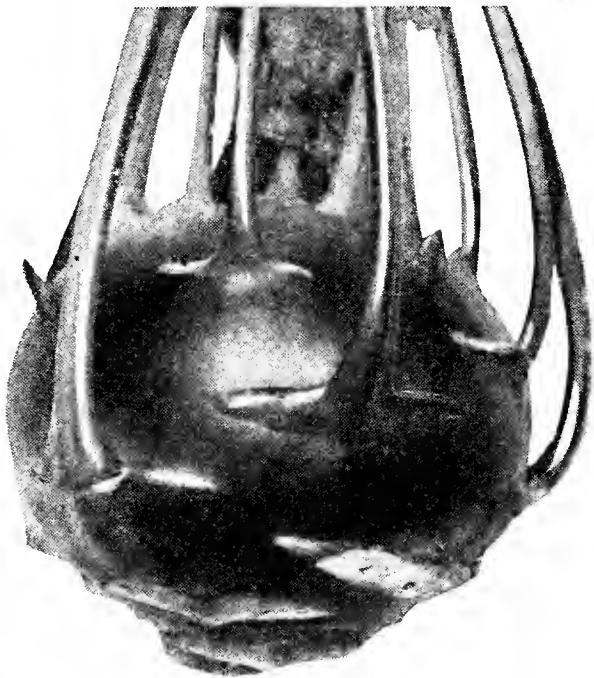
Mixed. Pkt., 10c; oz., 20; ¼ lb., 40c
Dipper Gourd. Pkt., 10c; oz., 20c
Sugar Trough. Pkt., 10c; oz., 20c
Nest Egg. Pkt., 10c; oz., 20c
Hercules Club. Pkt., 10c; oz., 20c
Calabash Pkt., 10c; oz., 20c

Broad Leaved Dandelion

An improved large variety from Europe. Not to be confused with the common varieties. Very large size and when cultivated makes an excellent vegetable for spring greens. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.85.

Kohlrabi

CULTURE: In the nature of a cross between turnip and cabbage, the Kohlrabi has qualities of its own which make it a very fine vegetable. The edible part is the turnip-shaped bulb which grows just above ground. This should be prepared for eating when young (about 2 to 3 inches in diameter). Cooked the same as turnips, it is tender and delicious with a distinctive, delicate flavor. In the spring as soon as the soil is ready, sow in rows 18 inches apart. Thin out to 6 inches in the row. May be planted every two weeks up to the middle of May for succession. For fall crop, plant last of July. One ounce of seed will sow a 300 foot drill.



EARLY WHITE VIENNA

58 days. Bulbs are dark green and of medium size; flesh white with excellent flavor. The earliest type and best for forcing. The tops are small, permitting close planting. Dependable in all soils. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 95c; lb., \$1.75, postpaid.

EARLY PURPLE VIENNA

63 days. Much like the Early White Vienna, but has a purple skin. Not quite so early. More heat-resistant. Well adapted for sections where turnips turn bitter. The plants are small and the leaves dark green tinged with purple. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 95c; lb., \$1.75, postpaid.

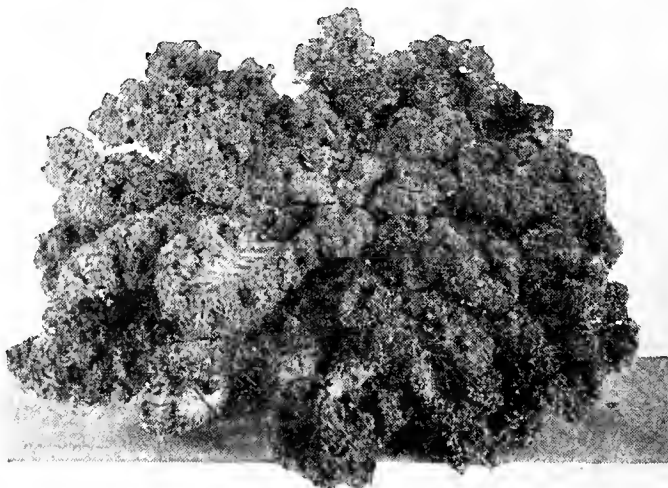
Kale or Borecole

CULTURE: If wanted for fall or early winter "greens" the seed should be sown ½ inch deep the first part of June, transplanting 2 feet apart in the rows and rows 2 feet apart, about the middle of July. If wanted for spring use sow the seed about the first part of April. One ounce of seed will supply about 2,000 plants or sow a row about 150 feet long.

Dwarf Curled Scotch. The plants of this variety are hardy when the temperature does not go below zero. A heavy frost or freezing improves this delightful green. Leaves are large, curled and fringed, bright green in color. The plants are of even dwarf growth. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c, postpaid.

Siberian. This variety is very similar to the Dwarf Scotch except that it is not as curled. It makes excellent greens at almost any season of the year. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c, postpaid.

Tall Curled Scotch. Very much like the Dwarf Curled Scotch except that it has a spreading habit and the stalk holds the leaves well up off of the ground. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c, postpaid.



Kale or Borecole

LEEK



CULTURE: This is a widely used species of the onion family and a favorite substitute for green onions in fall and winter. It has a finer, more subtle flavor than onions when used in soups, stews, etc. Sow the seed early in spring, in rows 18 inches apart, covering the seed ½ inch deep. When 6 or 8 inches high, transplant into rich soil 6 inches apart in rows one foot apart, drawing the earth up around the necks in order to blanch them. Sowings may also be made in September, transplanting outside in the fall or early spring. One ounce will sow 100 feet of drill.

AMERICAN FLAG LEEK

The best variety for general use and widely grown for both home and market. The finest early, strong growing type, producing large, thick stems 2 inches wide by 10 inches long, which blanch a beautiful white and are of a fine mild flavor. Ready in 85 days. Pkt., 10c; oz., 20c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50, postpaid.

HERBS

CULTURE: Herbs do the best in a rich mellow soil. The seeds are sown early in the spring rather shallow; when they are up a few inches thin out so they will stand the proper distance apart. For use, herbs should be cut on a dry day before in full blossom. Tie up in bunches and hang where they can dry out quickly. The varieties marked with an asterisk * are perennials.

Anise: Used for garnishing and cordials. Pkt., 10c; oz., 30c.

***Balm:** Used for tea or Balm wine. Pkt., 10c; oz., 30c.

Basil, Sweet: Leaves are used for flavoring soups, stews, and highly seasoned dishes. Pkt., 10c; oz., 50c.

Borage: The blossoms are excellent for bees. Leaves are used in salads. The flower spikes are used in cooling drinks. Pkt., 10c; oz., 30c.

Caraway: Seeds are used for flavoring bread, cakes, etc. Pkt., 5c; oz., 20c.

***Catnip:** Medicinal. Cats are very fond of it. It is also used as a seasoning. Pkt., 10c; oz., 50c.

Coriander: The seeds are used in flavoring sausage and meats. Pkt., 10c; oz., 25c.

Dill: Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 50c; lb., 90c.

***Fennel, Sweet:** The leaves when boiled are used in sauces for fish. Also makes a beautiful garnish. Seeds are used for flavoring. Pkt., 10c; oz., 25c.

***Horehound:** Leaves are used for flavoring, also in the manufacture of remedies for coughs. Pkt., 10c; oz., 45c.

***Lavender:** Grown chiefly for its flowers which are used in the manufacture of Perfume. Also to lay between linens for perfuming. Pkt., 10c; oz., 25c.

***Rosemary:** Leaves are used for seasoning. Pkt., 10c; oz., 45c.

***Rue:** For medicinal purposes. Used as a cure for roup in fowls. Pkt., 10c; oz., 50c.

Saffron: Used for flavoring and coloring. Pkt., 10c; oz., 40c.

***Sage:** The most popular herb for seasoning in dressings. Pkt., 10c; oz., 45c.

Summer Savory: Leaves and young shoots used for flavoring. Pkt., 10c; oz., 25c.

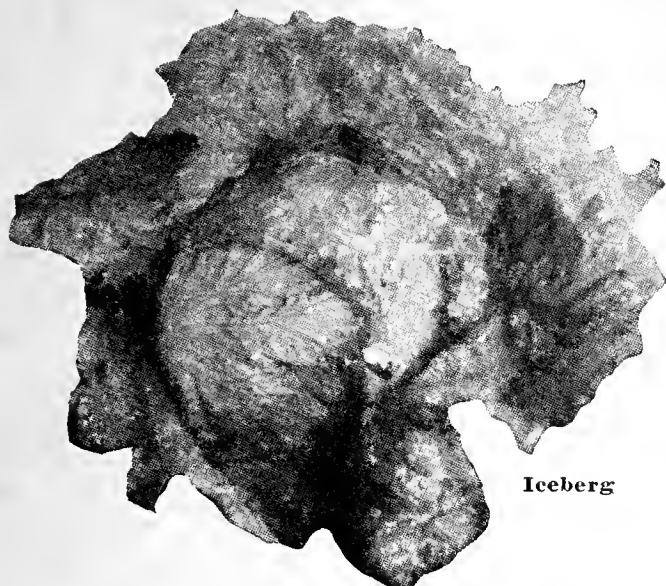
***Sweet Marjoram:** Leaves are used in the summer and dried in the winter for flavoring. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

***Tansy:** Used for seasoning. Pkt., 10c; oz., 50c.

Thyme: Used for seasoning, also for a tea which is used for nervous headaches. Pkt., 10c; oz., 50c.

***Wormwood:** Plant this in your poultry yard as it is very beneficial for chickens. Pkt., 10c; oz., 30c.

LETTUCE



Iceberg

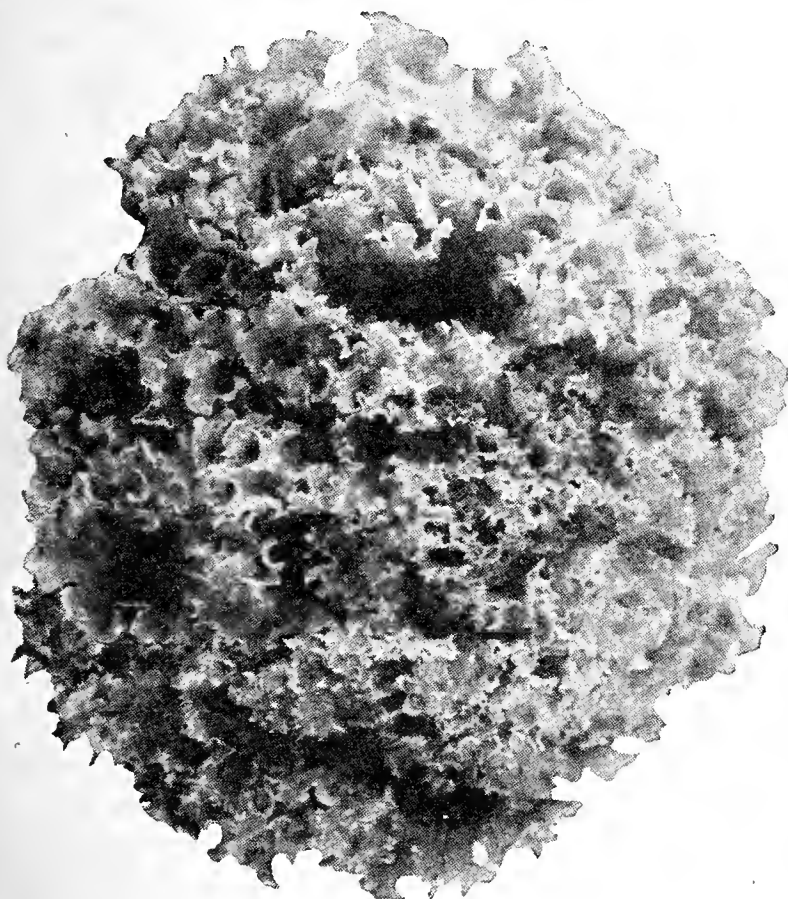
SHUMWAY'S GIANT CRYSTAL HEAD

(See Color Plate)

80 days. An excellent crisp-heading variety. The leaves are wavy with fringed edges, and they tightly overlap each other, forming a large, compact, crumpled head, very white inside. Good quality, crisp and firm in texture, very sweet, but not buttery in flavor. Stands a long time before going to seed. Well suited to either market or home garden. Pkt., 10c; oz., 25c; ¼ lb., 55c; ½ lb., \$1.00; lb., \$1.90, postpaid.

ICEBERG

82 days. A superb crisp-heading variety. The head is large and compact with broad brittle leaves. The outer leaves are a light green edged with brown. They are strongly ribbed and curl tight over the inner ones, which are tender, juicy, and very white. One of the best summer growing sorts because of its ability to resist heat. Extensively used by truckers and very popular with home gardeners. Distinct from the New York, which many mistakenly call Iceberg. Pkt., 10c; oz., 20c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50, postpaid.



Grand Rapids

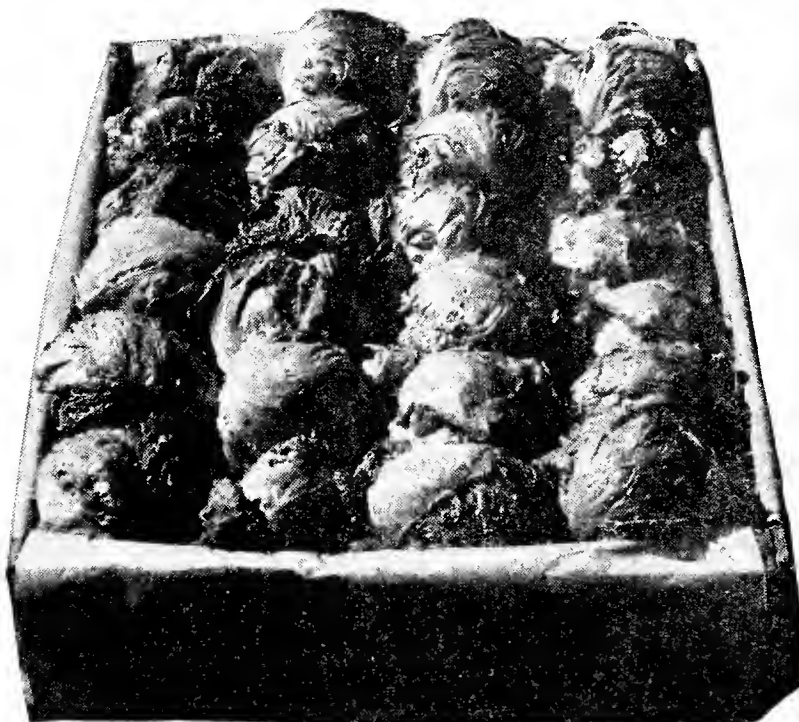
CULTURE: Since the discovery of vitamins plays an important part in our diet, Lettuce has become a very popular vegetable; being served practically the year round as one of the important salads.

Leaf lettuce is very easily grown, being started out of doors as early as the soil can be worked. It should be sown in rows and thinned out to the proper distance apart which will allow proper growth.

Head lettuce is more difficult to grow. It requires a rich warm light quick soil, well fertilized. Should be kept well watered, and transplanted when about 2 inches high, about 15 inches apart, which will allow proper cultivation. It might be well to start the head lettuce indoors two to three weeks before you would plant the seed of the leaf varieties out of doors, then transplant the head lettuce into the ground at the same time you plant the seed of the loose leaf lettuce.

New York, Big Boston, Hanson, and Iceberg are the best of the hard heading varieties. Grand Rapids for forcing. Black Seed Simpson, Early Curled Simpson and Prizehead are the best of the loose leaf lettuce.

Plant lettuce in quantity. In addition to its value for human consumption, it makes exceptionally good green food for baby chicks and full grown chickens. Very desirable for rabbits.



New York No. 12 (Packed for Shipping)

NEW YORK NO. 12

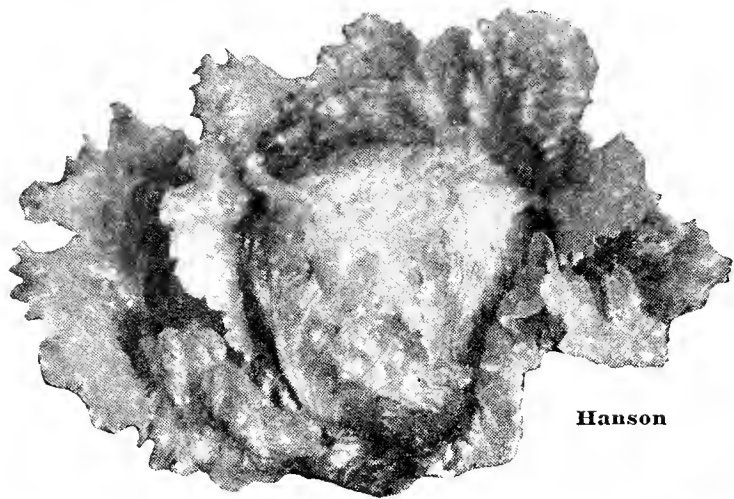
60 to 65 days. A new strain specially bred for cultivation east of the Rockies. Retains all the fine qualities of the parent variety, New York, which is grown in such huge quantities on the Pacific Coast. Belonging to the crisp-heading class, it produces enormous globular heads measuring up to 12 inches in diameter and with such cabbage-like solidity that they often weigh 3 pounds. The outer leaves are medium green and slightly curled at the edges, and they press tightly around the head. The heart is thoroughly blanched, crisp, tender, and delicious. An excellent main crop, hot weather type. Pkt., 10c; oz., 25c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00, postpaid.

GRAND RAPIDS

45 days. A very early, loose-leaved, curled variety, better adapted than any other for greenhouse forcing, and widely used for that purpose. The plants are large, upright, and beautiful, comprising an enormous cluster of broad, light green leaves, delicately curled and crinkled, and much frilled at the edges. The leaves are crisp and delicious, and retain their freshness for a long time after cutting. Stands shipping well. The outside leaves may be cut first, leaving the inner ones for further growth, or all may be cut at once. Though outstanding for forcing, it is equally adapted for field culture. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c; lb., \$1.25, postpaid.

MAY KING

55 to 60 days. A fine strain of the butterhead class, and the earliest head lettuce grown. The plants are very compact and can be planted close together. Outdoor sowing may be done very early, since the plants resist cold, damp weather well. The outer leaves are yellowish-green edged with reddish-brown. The inner ones are a rich creamy-yellow, and deliciously tender, with a sweet buttery flavor. May be planted in August for a fall crop. Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20, postpaid.



Hanson

HANSON

A fine old standard strain widely used by market gardeners. The plants are extremely hardy, resist summer heat well, and are grown all over the United States. A sure header. Keeps better than most head lettuce varieties. The outside leaves are light yellowish green, broad and frilled, and they curl tightly over the inner leaves, which are compact, crinkled, crisp, sweet, tender, and well blanched. The heads are good sized, globe-shaped, and hard. An outdoor type only. May be planted over a very long season. Pkt., 7c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.35, postpaid.



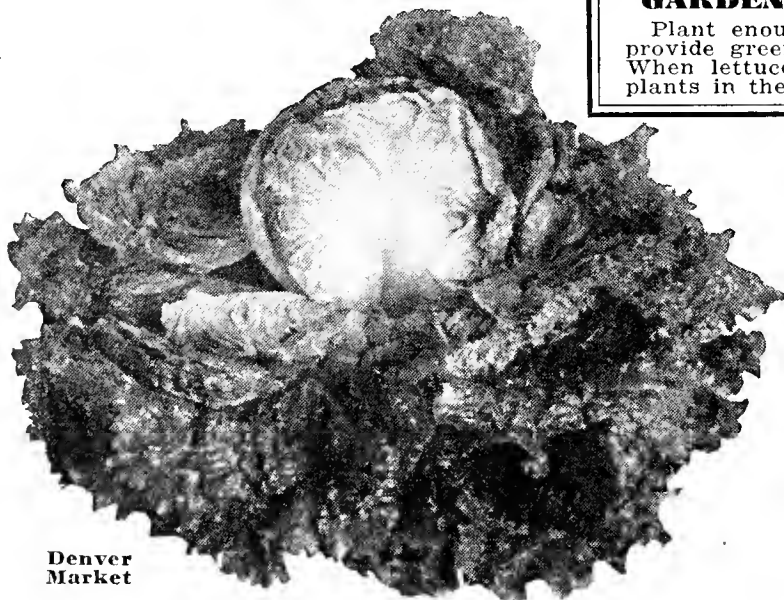
California Cream Butter

CALIFORNIA CREAM BUTTER

75 days. A very hardy butter head variety of fine quality. The leaves are broad, thick, and crumpled; dark green, spotted brown outside, and blanched a rich golden yellow inside. Flavor buttery and sweet. Will grow at almost any season, but is especially adapted for summer. Strictly an outdoor type. Popular with both market and private gardeners over the whole country. Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20, postpaid.

HARDY GREEN WINTER

This variety also known as Hammersmith. A cabbage butter head medium size variety. Leaves crumpled with straight edges. This sort forms tight hard heads in the late fall or early winter, hence deriving its name. Pkt., 10c; oz., 18c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75.



Denver Market

BIG BOSTON

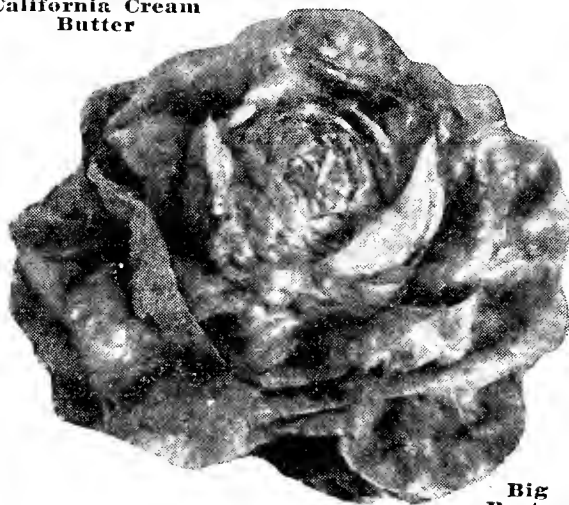
70 to 75 days. A fine large type of the butterhead class, and probably the most widely grown head lettuce. The heads are huge, up to 12 inches in diameter, solid, and tightly folded. The broad outer leaves are a sleek bright green. The heart is brittle, tender, and buttery; blanched to a rich creamy yellow. A strong grower in all seasons except the hottest summer months. Succeeds beautifully whether forced in hotbeds or frames, or started later outdoors. Popular for home and market garden in all parts of the country; much grown in the South for early shipment to northern centers. Pkt., 7c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.35, postpaid.

DENVER MARKET

82 days. One of the best known standard varieties. The heads are medium sized and firm; conical when young, but nearly round when mature. The leaves are light green, crisp, coarsely fringed, and more heavily savoyed and crumpled than any other lettuce. Especially suited for summer cultivation in the market garden. Pkt., 7c; oz., 15c; ¼ lb., 40c; ½ lb., 75c; lb., \$1.35.

ALL THE YEAR ROUND

60 days. A cabbage heading variety producing medium sized heads that are very firm and solid. The crumpled leaves are of a medium green color and have a fine buttery quality. Does well in almost any season or weather, and throws out new leaves over a considerable period. A good deal like Salamander, but much earlier. Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.20, postpaid.



Big Boston

**Extra Packets
of Seeds,
Our Selection,
Sent FREE
with
All Orders**

GARDEN SUGGESTION

Plant enough lettuce so as to provide green feed for chickens. When lettuce is up, set Tomato plants in the row, 3 ft. apart.

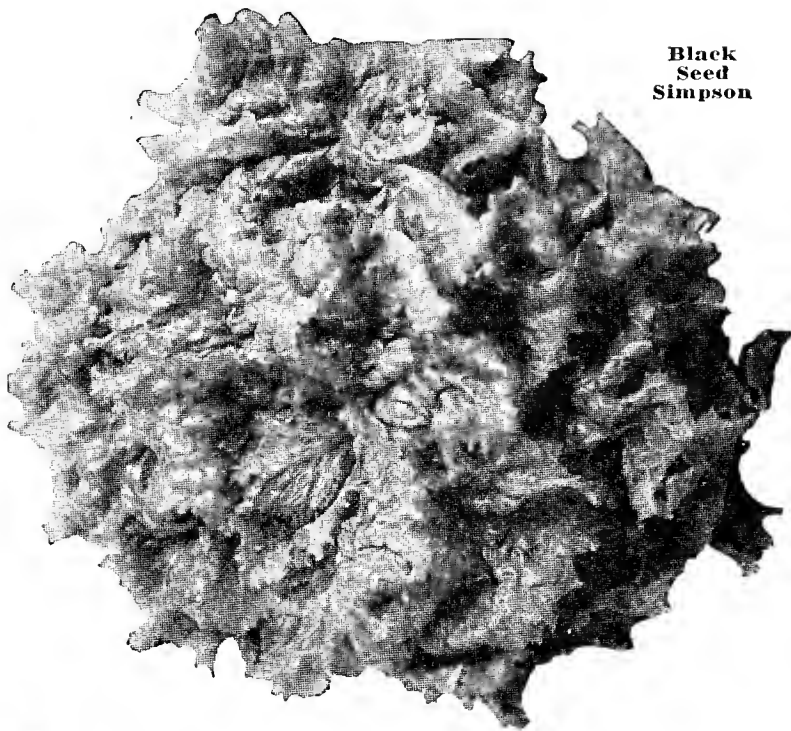
**See
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Prices—
Not
Prepaid**



Salamander

BLACK SEED SIMPSON

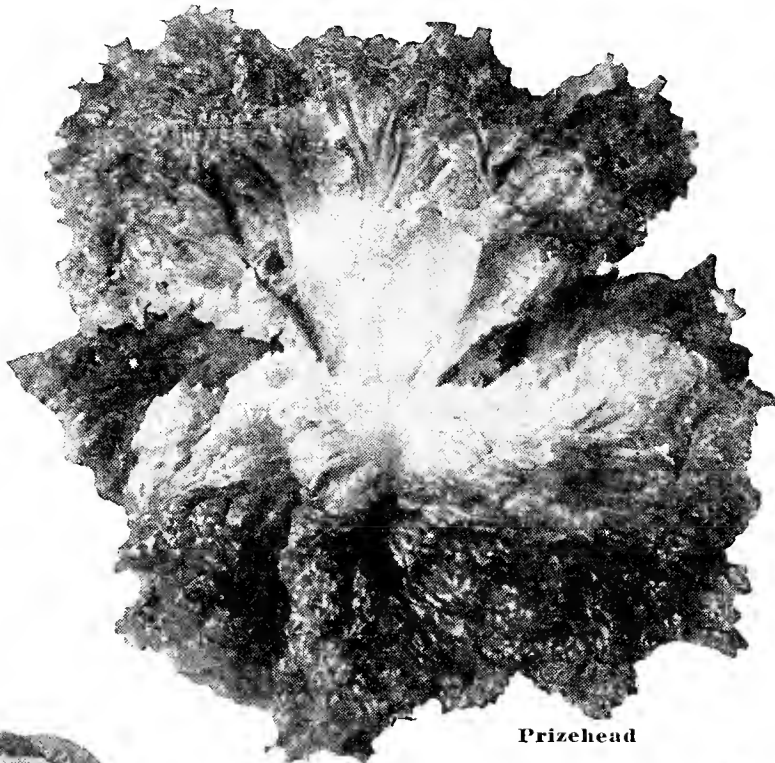
45 days. A popular general purpose loose-leaf lettuce, early and of fine quality. The plant is large and handsome; the leaves, broad, light green, and very crinkled, the inner ones forming a semi-compact mass. They are tender, crisp, remaining in fresh table condition a long time, and have an appetizing flavor. Suitable for hotbed or cold frame culture, but at its best as an outdoor lettuce. A favorite with the home gardener because it is so easily grown. When leaves are cut, others will grow, yielding a continuous supply. Although an early type, it may be grown all through the season. Very heat-resistant and reliable. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25, postpaid.

**Black
Seed
Simpson****EARLY CURLED SIMPSON**

45 days. The glossy light green leaves, well curled and frilled, form a fairly compact cluster of good size. Very crisp, tender, and palatable. Largely grown for early outdoor crop to supply spring and early summer needs. Well suited for planting thickly in rows and cutting the leaves when young. A hardy plant, quick-growing, dependable, and much favored by home gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.20, postpaid.

PRIZEHEAD

45 days. An old standard loose-leaf type that has always been a great favorite with the home gardener because of its quick growth and easy culture. The leaves are large and finely crumpled and fringed; outside they are green touched with red, inside a light green. The inner leaves especially are brittle, tender, and sweet. The heads are medium-large and yield a good supply of lettuce. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.35, postpaid.

**Prizehead****TOMHANNOCK**

45 days. Decidedly crisp, strictly bunching. Leaves are crumpled and the color almost a bright brown varying to bright green near the center of the plant. Very good quality, sweet in flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.20, postpaid.

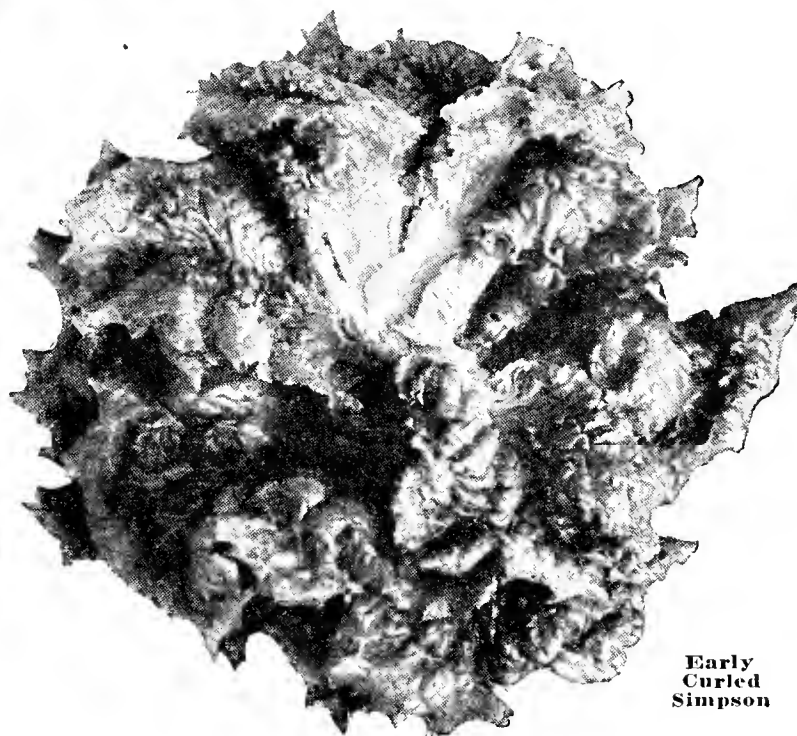
SALAMANDER

70 days. This is a cabbage butter-head medium size variety. Leaves are straight on the edges but crumpled. Does well under any weather conditions. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.20, postpaid.

**Grow Lettuce
for your
Chickens and Rabbits**

PARIS WHITE COS

55 days. Also called Romaine. Becoming steadily more popular and considered by many to be superior to other varieties. It makes a unique and delicious salad. Tall oval heads, well folded, light green outside and greenish-white at the heart. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.35, postpaid.

**Paris
White Cos****Early
Curled
Simpson**

MUSKMELON

CULTURE: 6 to 8 lbs. per acre in hills. Melons do best in light rich soil, sunshine is necessary to produce sugar content. When the ground is warm, generally May 15th, sow the seed in hills 5 to 6 feet apart. The vines of melons are heavy feeders and it is well to place several shovelfuls of well rotted manure into each hill. Plant 10 to 12 seeds in each hill and cover not more than $\frac{1}{2}$ inch deep. After the danger of bugs is over leave about 4 of your stronger plants in each hill. For insect disturbance treat the same as Cucumber vines.

SUGAR ROCK or HONEY ROCK

(See Color Plate)

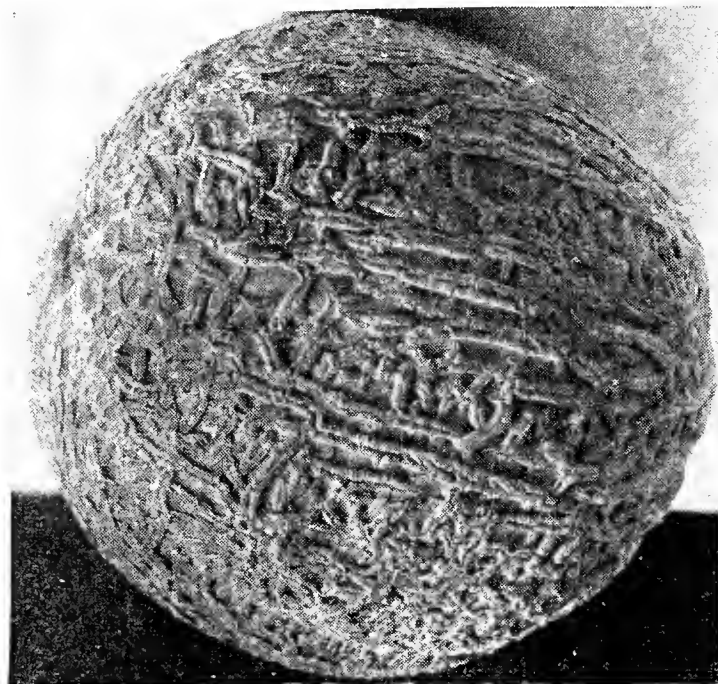
85 days. A distinctive new type, fast gaining in popularity. The fruits are almost perfectly round, non-ribbed, and covered with a very heavy netting. The meat is of superb quality, very thick, firm textured, deep orange in color, and with a unique honey-sweet flavor. A tough-rinded type, excellent for shipping. Very productive, yielding 5 to 7 fine fruits to the vine. Destined to be the leading cantaloupe in all markets. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 5 lbs., \$6.75, postpaid.

HEARTS OF GOLD

92 days. A fine main crop variety, very popular with market gardeners and shippers. The firm rind, extremely small seed cavity, and uniform size make it especially suited to long distance shipping. Medium in size, well ribbed and closely netted. The very thick, fine-grained flesh is a deep salmon orange, with a delicious spicy flavor, and it ripens close to the rind. The vines are vigorous, prolific, and blight resistant. Size, 6 by 5 inches. Weight, 2 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00; 5 lbs., \$4.50, postpaid.

HALE'S BEST or H. B.

75 to 78 days. A salmon-fleshed strain of Rocky Ford, originated in the Imperial Valley and chiefly noted for its earliness, sometimes producing ripe melons in 68 days. Our stock has been selected and improved until the fruits are uniform, nearly round, only moderately ribbed, and well netted. One of the best melons for early long-distance shipping. The flesh is smooth grained, sweet and tasty, and edible close to the rind. A good yielder, popular with market gardeners. Size, 8 by 7 inches. Weight, 6 pounds. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.25; 5 lbs., \$5.25, postpaid.



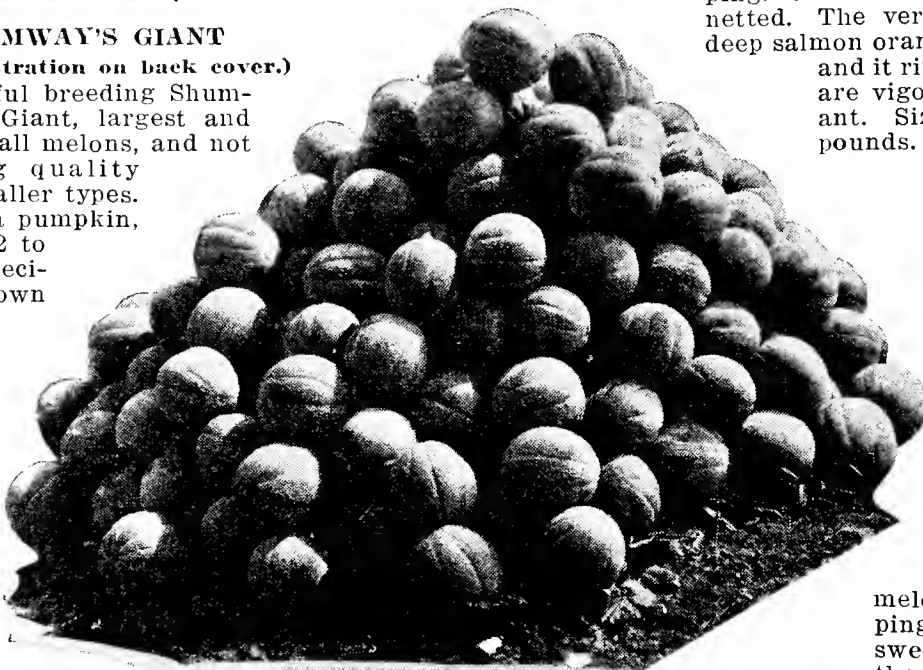
Sugar Rock or Honey Rock

SHUMWAY'S GIANT

(See colored illustration on back cover.)

94 days. By careful breeding Shumway developed the Giant, largest and most magnificent of all melons, and not surpassed in eating quality even by the best smaller types. Almost as large as a pumpkin, the fruit averages 12 to 15 pounds and specimens have been known

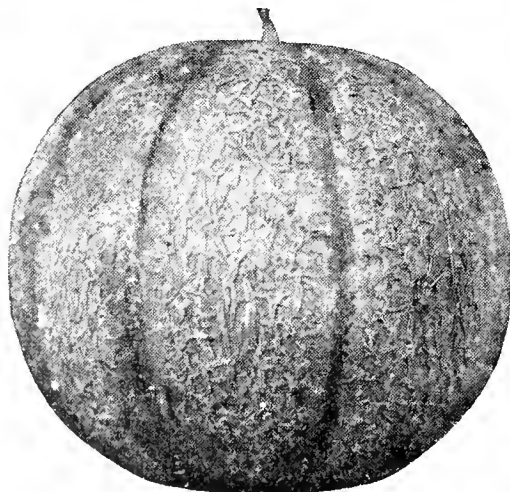
to reach 25 pounds. It is round to slightly flattened in shape, deeply ribbed and lightly netted. The skin color passes from pale green to rich lemon as the fruit ripens. The salmon-orange flesh is $2\frac{1}{2}$ inches thick, firm and fine grained, with a surprising juiciness and rich, spicy flavor. Although unsuited for shipping because of its size, the Giant is admirable for home garden and local market and a winner for the roadside stand. It is beyond question the outstanding exhibition sort for agricultural shows and fairs. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.00, postpaid.



Hearts of Gold

MILWAUKEE MARKET

87 days. A fine, prolific, medium large, market melon, excellent for shipping. The rind is very hard and tough, somewhat ribbed and heavily netted. The fruits are of uniform size and shape, and they pack well in crates. Eating qualities are remarkable. The pink flesh is very thick and firm without stringiness; sweet and aromatic in flavor. Very handsome and profitable melon for roadside stands. Size, $7\frac{1}{2}$ by $6\frac{1}{2}$ inches. Weight, 5 to 6 pounds. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.25; 5 lbs., \$5.25, postpaid.



Milwaukee Market

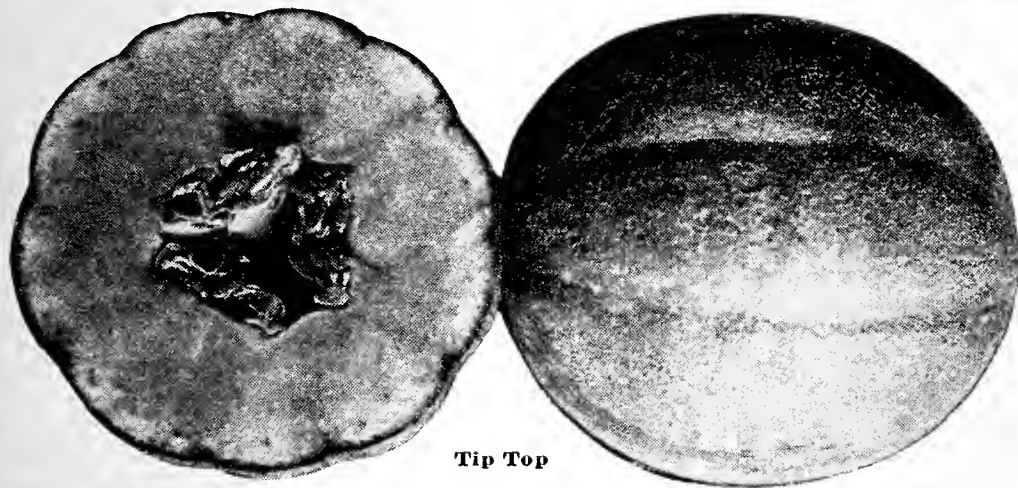
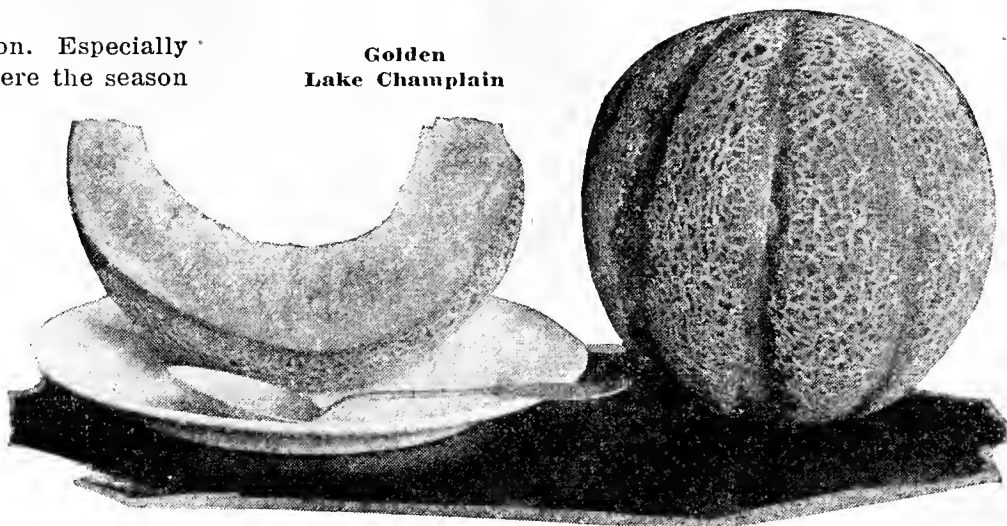


Hales Best or H. B.

NOTICE: If you are in the market for large quantities of muskmelon seed, 10 lbs. or over, write for special quotations.

GOLDEN LAKE CHAMPLAIN

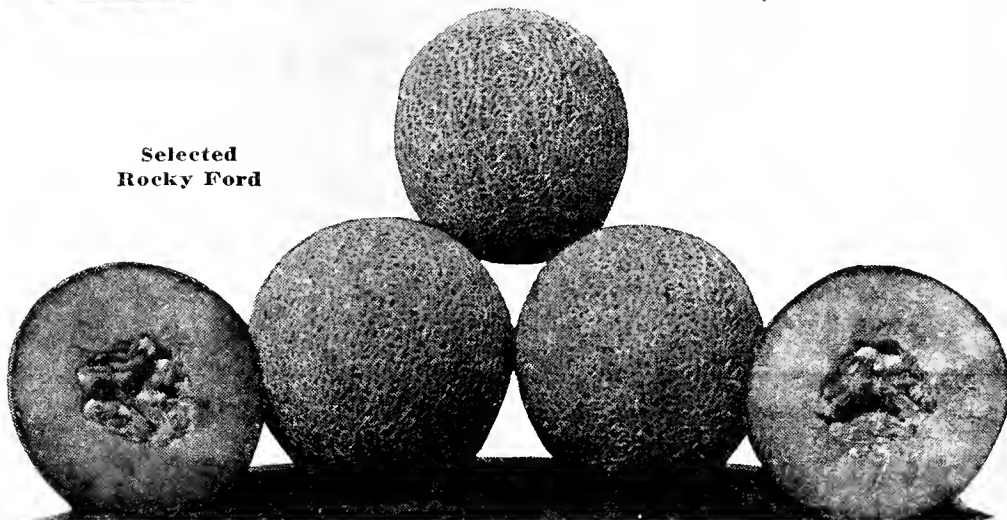
75 to 80 days. The earliest quality melon. Especially desirable for home gardeners in localities where the season is short. Moderate size, nearly round, somewhat flattened at ends. Slightly ribbed, and covered with coarse, open netting. The sweet, juicy, golden-yellow flesh ripens right out to the skin, which shows a golden tinge when the fruit is ready to pick. The vines are vigorous and productive even under adverse conditions. Market gardeners find it a profitable type for local markets. Size, 6 by 5½ inches. Weight, 3 pounds. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25; 5 lbs., \$5.35, postpaid.

**Golden
Lake Champlain****Tip Top****TIP TOP**

85 to 90 days. A large, nearly round type, unexcelled for quality and productiveness. Slightly ribbed and netted, with a green skin turning to creamy yellow. The flesh is very thick, bright salmon in color, and is edible close to the skin; luscious and spicy in flavor. A most attractive melon, before or after cutting. The crop is always large and the fruits uniformly good. Ideal for the home gardener, and desirable as a market type. Suitable for shipping if distances are not great. Size, 8½ by 7½ inches. Weight, 6 to 7½ pounds. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25; 5 lbs., \$5.35, postpaid.

SELECTED ROCKY FORD

90 days. The leading green-fleshed variety, developed from the old Netted Gem into a round type melon. The light green flesh is very thick, with a small seed cavity, and it has a fine, smooth grained, firm, but melting quality and a choice, spicy flavor. Because they are uniform, small in size, and round without ribs, the fruits are ideal for packing in baskets or crates. The vines yield a sure and abundant crop. Size, 5½ by 5 inches. Weight, 2½ pounds. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**Selected
Rocky Ford****NOTICE**

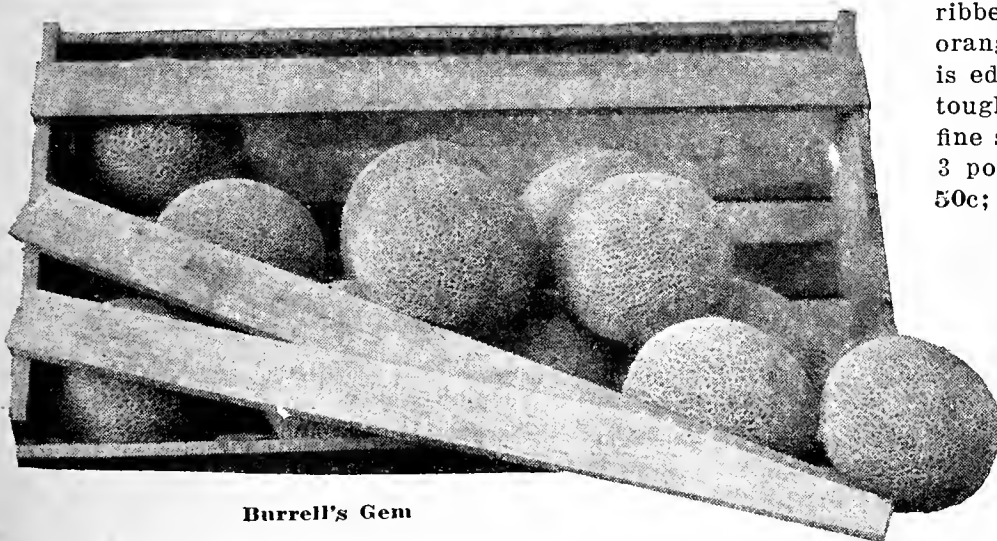
Our muskmelon seeds are saved from fruits exclusively grown for seed purposes. There is no shipment or selling of melons from the fields. The seed is taken from selected melons of perfect type. This critical procedure furnishes positive assurance to exacting seed planters that we are offering the finest seed stocks that can be produced.

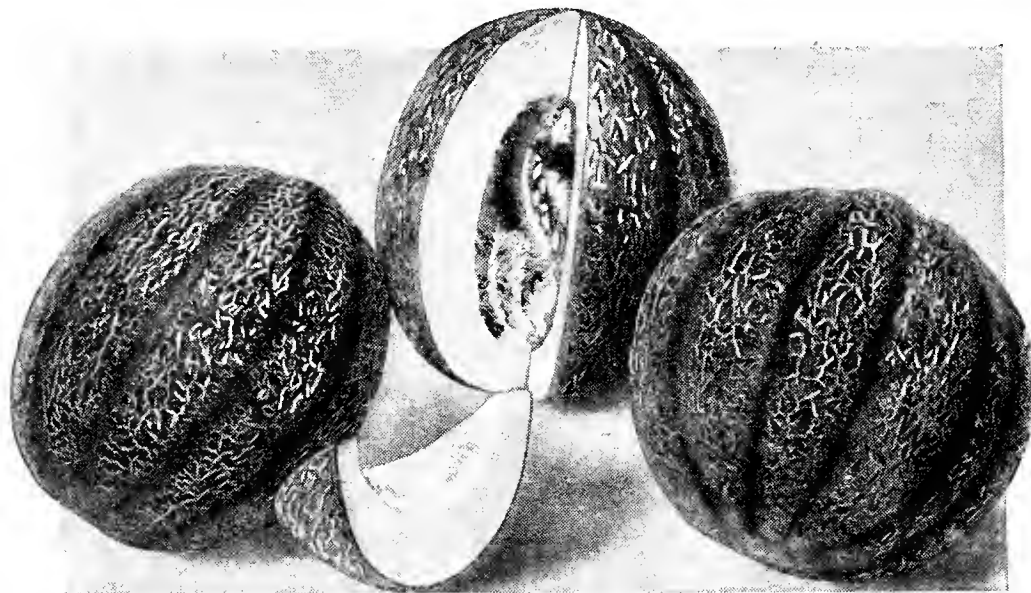
BURRELL'S GEM

87 days. A medium sized oval variety, slightly ribbed, but densely netted. The flesh is reddish orange, fine grained, sweet and spicy, and when ripe is edible very close to the skin. Rind is thin but tough, and the seed cavity small and triangular. A fine shipping sort. Size 6½ by 5 inches. Weight, 3 pounds. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

ACME or BALTIMORE MARKET

90 days. An excellent medium early variety, medium heavily ribbed and netted. It is long with distinct neck at the stem end. The flesh is green. Eating quality is excellent. Size, 7½ by 5 inches. Weight, 3½ lbs. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

**Burrell's Gem**



Osage or Miller's Cream

HONEY DEW

110 days. A unique type, distinct from all others. The fruits are perfectly round and smooth without ribs or netting; the skin white, turning to light cream at maturity. The meat is light emerald green, deepening toward the center, and edible right out to the skin. It has a crisp, honey-sweet, melting quality not found in any other melon. Unlike other types, it will ripen in storage, and indeed will be more delicious if picked just before maturity and kept until fully ripe before eating. An ideal shipping sort, much grown in the South and in California. Does not grow to perfection where season is short, but may be produced successfully if started in greenhouse and set out after the danger of frost is past. Size, 9½ by 10 inches. Weight, 8 to 10 pounds. Pkt., 10c; oz., 20c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.



Honey Dew

EXTRA EARLY GRAND RAPIDS

94 days. This variety is a large pink-meated melon. Heavily ribbed, with little netting. It is very productive and its eating qualities are excellent. It is not adapted for shipping but very fine for local market. When immature the skin is green, turning to a lemon-yellow as it ripens. Its shape is rather long, 9 x 7 inches; weight, 7 lbs. For a large melon it is remarkably early. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00; 5 lbs., \$4.25, postpaid.



Banana Muskmelon

Muskmelon—Continued**OSAGE OR MILLER'S CREAM**
(Reselected Stock)

92 days. Probably more widely used than any other large melon. Oval in shape, slightly ribbed, with light, open netting. The flesh is deep salmon, thick, spicy, luscious. Excellent for local markets and roadside stands. Size, 9 by 7 inches. Weight, 6 pounds. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25; 5 lbs., \$5.25, postpaid.

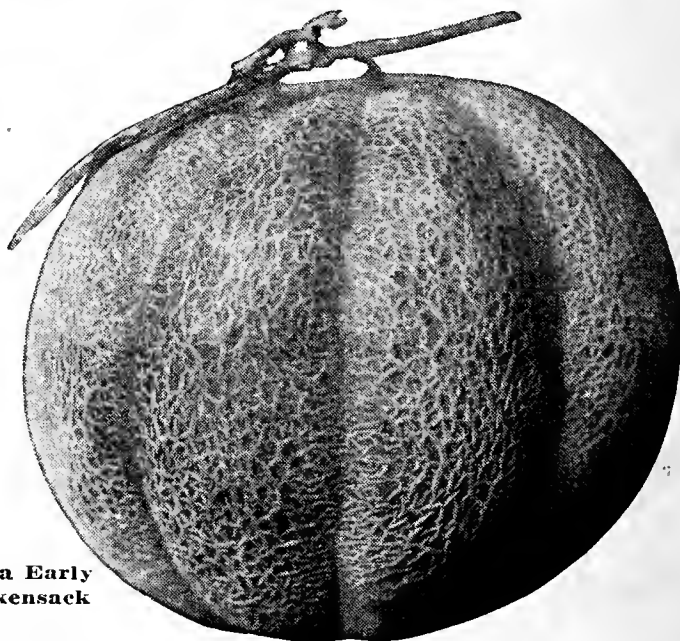
EMERALD GEM

80 days. A small, very early type, unsurpassed for eating qualities. The fruits are flattened, globe-shape, emerald green, ribbed, and very lightly netted. The flesh is thick, salmon-pink, sweet, and richly palatable, with a small seed cavity. Vines prolific and long bearing. Not a good keeper or shipper, but fine for home garden and nearby markets. Size, 4 by 5 inches. Weight, 2 pounds. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$3.75, postpaid.

See Pages 2-3
for Quantity Prices
—Not Prepaid

EXTRA EARLY HACKENSACK

80 days. The earliest of the green fleshed sorts. The fruits are of medium size, somewhat flattened at the ends, deeply ribbed, and heavily netted. The flesh is a rich light green, sugary and luscious. A rugged and productive type. Very desirable for home garden and local markets. Size, 4 by 6 inches. Weight, 3 pounds. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 55c; lb., \$1.00; 5 lbs., \$4.00, postpaid.

Extra Early
Hackensack**BANANA MUSKMELON**

94 days. A long tapering cucumber-shaped melon, at first regarded as a novelty, but now appreciated for its fine eating qualities. The skin is smooth and green, ripening to lemon color. The salmon flesh is thick and luscious with a most appetizing fragrance. Should be fully ripe when served. Very desirable for home garden. Size, 14 by 4 inches. Weight, 7 pounds. Pkt., 10c; oz., 15c; ¼ lb., 35c; ½ lb., 65c; lb., \$1.25; 5 lbs., \$5.25, postpaid.

MUSKMELON—Continued**PRINCESS or PERFECTION**

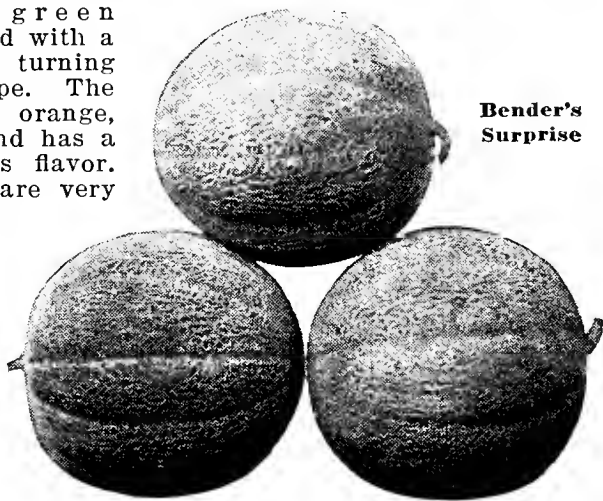
95 days. This is also known as Ideal. A large, pink fleshed melon, heavily ribbed and netted with very thick and exceptionally sweet and spicy flesh. Not a good shipper but excellent for home garden and local market. Size, $7\frac{1}{2}$ x 7 inches. Weight, 6 lbs. Pkt., 7c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10; 5 lbs., \$4.50, postpaid.



Princess or Perfection

BENDER'S SURPRISE

94 days. A large, fine flavored, early melon, exceptional for the markets. The fruits are oval, weigh up to 10 pounds, and are dark green coarsely netted with a lighter shade, turning gold when ripe. The flesh is deep orange, very thick, and has a sweet luscious flavor. The rinds are very hard, and the melons keep well. Excellent for shipping. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.25; 5 lbs., \$5.35, postpaid.

Bender's
Surprise

Germaco
Hotkaps
New Method of
Plant Protection

PARTICULARLY FINE FOR MELONS.

See
Page
96

Martynia

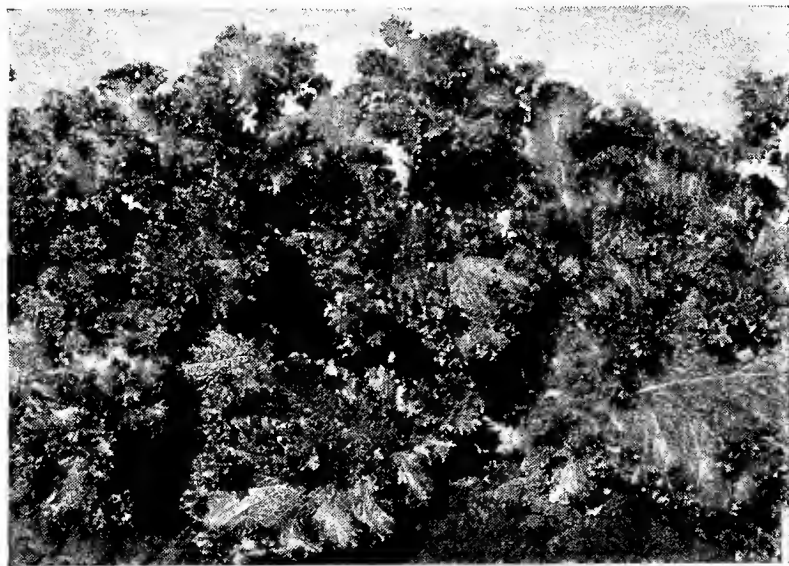
A very decorative plant which can be used in hardy flower borders. The succulent stems carry lilac-purple flowers which are followed later by large curved seed pods. The pods should be gathered when young and pickled sweet like cucumbers. Seeds are sown early in the spring when danger of frost is past, thinning or transplanting to stand 3 feet apart. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25, postpaid.



Martynia

Mustard

CULTURE: 1 ounce for 100 foot row. A very tasty salad plant which is also delicious and healthful when boiled as spinach. The seed is widely used for flavoring pickles. May be sown from early spring to midsummer in rows 18 inches apart, thinning the plants to 5 or 6 inches apart in the rows. Ready for use when leaves are 6 to 8 inches long. As mustard goes to seed quickly it is necessary to keep planting every two weeks for a continuous supply.

**CHINESE BROAD LEAVED**

This variety has large light green leaves, waved at the edges. Succulent, tender, and sweet; free from all bitter flavor. Ready six weeks from sowing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c, postpaid.

FORDHOOK FANCY

The handsome feathery leaves of this sort are densely curled and fringed. Most attractive for salads and garnishing, and when served as spinach the flavor is deliciously mild and palatable. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c, postpaid.

SOUTHERN GIANT CURLED

These hardy, upright plants grow 3 feet tall. The broad, pungent leaves are nicely frilled and crimped at the edges. Good market and home garden variety. Highest quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c, postpaid.

WHITE LONDON

Fine for general use. Leaves dark green, small and smooth, very easily and quickly grown. Seeds good for flavoring pickles, relishes, etc. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c, postpaid.

BLACK SEED

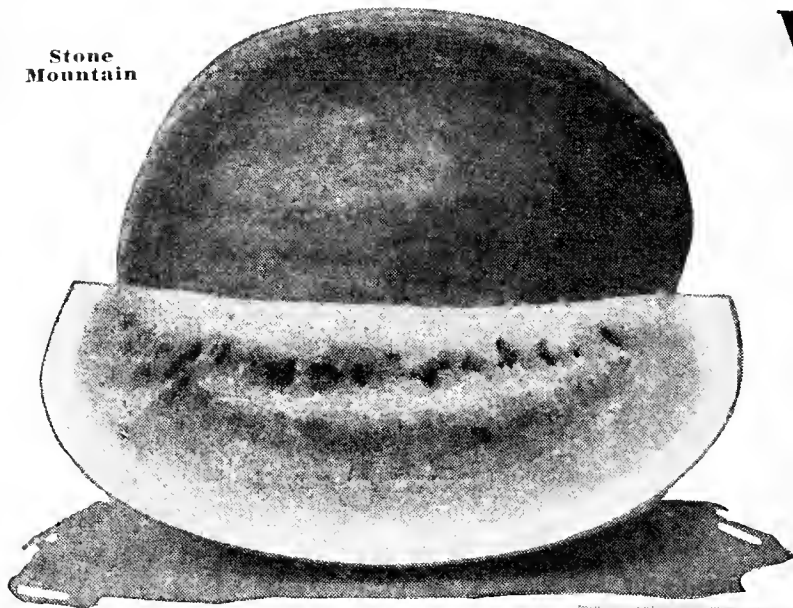
Like White London except that the seed is black. Used for same purposes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c, postpaid.

Mushroom Spawn

FOR INDOOR USE ONLY



Mushrooms can be easily produced by amateurs if they will follow the directions which we send with each order. The essentials are a rich, moist soil and a moderately cool, fairly uniform temperature, with a humid atmosphere. A cellar is an excellent place in the warmer months, and even in the winter, provided proper temperature and humidity can be maintained. Our spawn produces an abundant crop of cream-colored fungi of the best quality. They make a delightful dish when served with steak or creamed on toast, or used for soups, etc. One brick will spawn an area of 8 to 10 square feet. 1 brick, 35c; 3 bricks, \$1.00, postpaid. Not prepaid, 5 bricks, \$1.25; 10 bricks, \$2.25; 25 bricks, \$5.00.

Stone
Mountain**STONE MOUNTAIN or DIXIE BELLE**

95 days. A recent introduction from Georgia, already very popular in the South and destined to be so in the North. Huge in size, it nevertheless is comparatively early and has remarkable quality. The fruits are nearly round in shape and rich green in color. The flesh is a uniform red; very sweet, juicy, and crisp, without stringiness. The seeds are very few and hence costly for the seed grower to produce. Not a good shipper, but ideal for home garden, local market and roadside stand. Weight 40 to 80 pounds. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.25; 5 lbs., \$5.35, postpaid.

TOM WATSON

90 days. The outstanding shipping melon, especially for long distances. The rind, though thin, is exceedingly tough and elastic; in color it is deep green, lightly veined. The fruits are long and cylindrical and make a fine appearance. The flesh is rich red, firm, and juicy; the seeds brown, flecked with white. Very hardy, vigorous and productive. A favorite with large growers. Size 20 by 10 to 12 inches. Weight 35 to 40 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

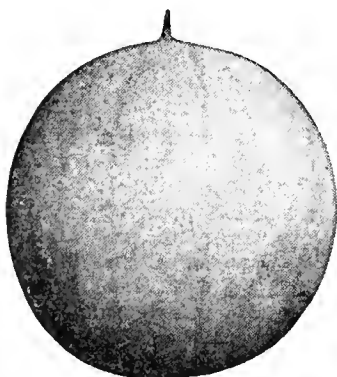
CITRON (Red Seeded)

Used exclusively for preserving. It is very hard, slightly striped, round in shape. The preserves made from this melon are transparent and of excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00, postpaid.

CHRISTMAS or WINTER

85 days. One of the most exceptional varieties, particularly distinguished for its keeping qualities. The fruits can be taken from the field or patch before frost and if properly stored, will be in fine eating condition for Thanksgiving and Christmas. An excellent shipping type. Very prolific. The fruits are about the same size as Honey Dew Muskmelon.

The skin is light cream color with faint light green stripes. The flesh is bright red, crisp and very sweet; seeds small and black. Size 10 by 10 inches. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50, postpaid.



Christmas or Winter

WATERMELON

CULTURE: Watermelons require a rich, light, sandy soil. They can be grown successfully in northern states if given reasonable care and plenty of sunlight. Hills should be prepared in the same manner as for muskmelons, but should be set 8 to 10 feet apart each way. Manure deeply and thoroughly and keep well watered. Sow 8 to 10 seeds to the hill and thin out the plants to 3 strong ones. One ounce will sow 25 hills, 4 pounds to the acre. Slugshot, Garden Guard, and Plantgard are the proper insecticides to use to combat the melon bugs. Evergreen for Aphis. See Page 95.

KLONDIKE

(See Colored Illustration on Back Cover)

82 days. Originated and first widely grown in California, the Klondike has now been perfected to the point where it can be produced with uniform success in all parts of the country except the extreme north. In shape it is long and cylindrical, tapering slightly toward the blossom end, with an average weight of 25 pounds. The fruit is of matchless beauty when cut, the deep crimson of the flesh contrasting superbly with the dark green and white of the rind. A melon of the all-heart class, the Klondike has few seeds; those it has are mostly black with a few white ones. The flesh is unequalled in texture and flavor; delightfully crisp, sweet, and refreshing. Size 16 by 10 inches. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postpaid.

GOLDEN HONEY

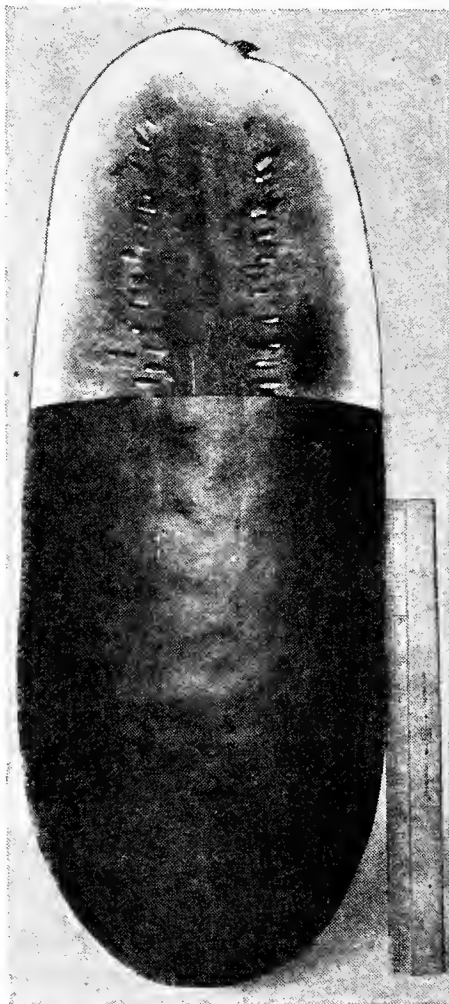
90 days. Anyone who imagines that yellow-fleshed watermelons are of inferior quality will change his mind after trying Golden Honey. The flesh is a beautiful sparkling gold, crisp, and juicy, with a delightful honey-sweet flavor. The fruits are oblong with stripes of very dark green on a background of a somewhat lighter shade. Size 14 by 12 inches. Weight 20 pounds. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.25; 5 lbs., \$5.35, postpaid.

FLORIDA FAVORITE

87 days. An old standard early sort, still a great favorite for the home garden and home market. The quality is uniformly good and the flavor excellent. Fruits are large and oblong, dark green with lighter stripes. The flesh is bright crimson, crisp, luscious and sweet, with white seeds. Size 16 by 10 inches. Weight 30 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

HALBERT HONEY

87 days. A fine medium early melon, very similar to Kleckley's Sweet in appearance and quality, but much more productive. The rind is a deeper shade of green with light veins, and the shape a little more even and blunt-ended. The flesh is sweet and palatable, bright red in color, while the seeds are white with black tips. A splendid home garden sort, and profitable for local markets. Size 20 by 12 inches. Weight 35 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.



Tom Watson



Halbert Honey

IMPROVED KLECKLEY'S SWEET

87 days. Enjoys a fine reputation as the sweetest of all large melons. Probably the most widely used large type for the home garden, and for market within a limited shipping range. The fruits are oblong and symmetrical with a glossy dark green skin. The flesh ripens right up to the thin rind and is bright red, tender and luscious. The heart is large and clear with the white seeds placed near the rind. Size 22 by 12 inches. Weight 35 to 40 pounds, sometimes 50. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

Imp.
Kleckley's
Sweet

Grey Monarch

**GREY MONARCH**

90 days. A light green, long melon of large size. Not a shipping variety but excellent for local markets. Very prolific and fairly early in maturity. This sort is also called Long White Icing. Weight 25 lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

IRISH GREY

90 days. A very popular shipping variety. Rather large in size, long in shape. The rind is light green in color. The flesh is red, not stringy or coarse, very sweet. This is recommended equally with Tom Watson as a shipping variety. Average weight, 35 lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

ICE CREAM or PEERLESS

90 days. A white-seeded early melon that has long been a standard popular variety. The flesh is solid, sweet and of exceptional quality. The fruits are fairly large, oval in shape, and bright green, faintly veined. The rind is thin and brittle. The vines grow vigorously and yield well. Size 16 by 9 inches. Weight 25 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

FORDHOOK EARLY

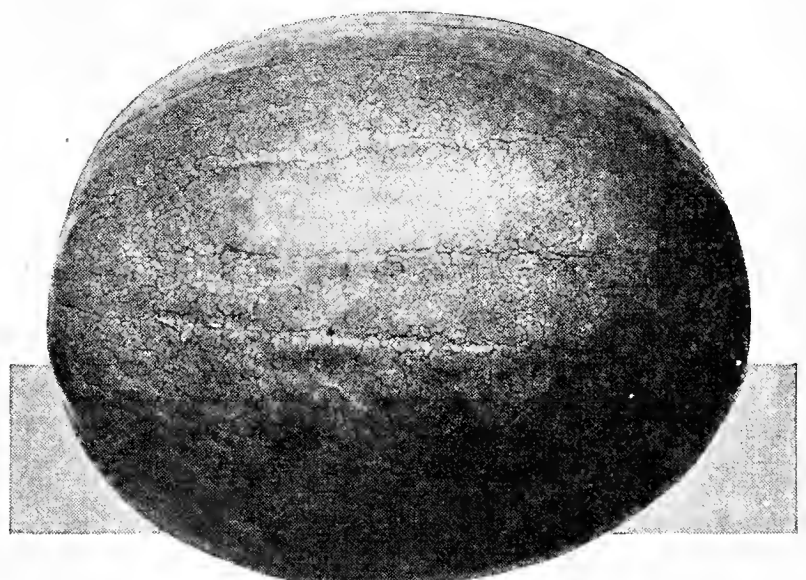
85 days. The earliest maturing of the large types, and hence well suited for the early market and for localities where the season is short. The fruits are somewhat oval and stubby, with a dark green skin striped with a deeper shade. The flesh is bright scarlet and of fine quality. Seeds are white. A valuable local market sort. Size 14 by 12 inches. Weight 25 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

HUNGARIAN HONEY

87 days. A variety adapted to the home garden and to the market where there is a call for small melons which the smaller family desires, particularly in the larger cities where so many families are living in apartments. It is very early, round in shape and extremely sweet. The rind is dark green with irregular stripes of darker green, flesh is bright red, the seed quite small and dark brown in color. Size 10x10 and weight 12 to 15 lbs. Pkt., 8c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10; 5 lbs., \$5.00, postpaid.

HARRIS EARLIEST

80 days. An almost round, black seeded melon. Rind is dark green striped with a lighter shade, flesh firm and delicious. A home as well as a local market sort. A variety adapted for short growing season. Weight about 20 lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.



Harris Earliest

ALABAMA SWEET

90 days. Another excellent shipping variety with tough, elastic rinds. A well known, widely used kind. The flesh is bright red, fine grained and sweet. White seeded. A melon that always sells well on the markets. Weight, about 30 lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

LARGE STRIPED GYPSY or GEORGIA RATTLESNAKE

92 days. A standard variety of excellent shipping qualities. Light green color irregularly mottled with dark green stripes. Flesh a bright red and very sweet. Cannot be surpassed. White seeded. Weight 30

lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

**McIVER'S WONDERFUL SUGAR**

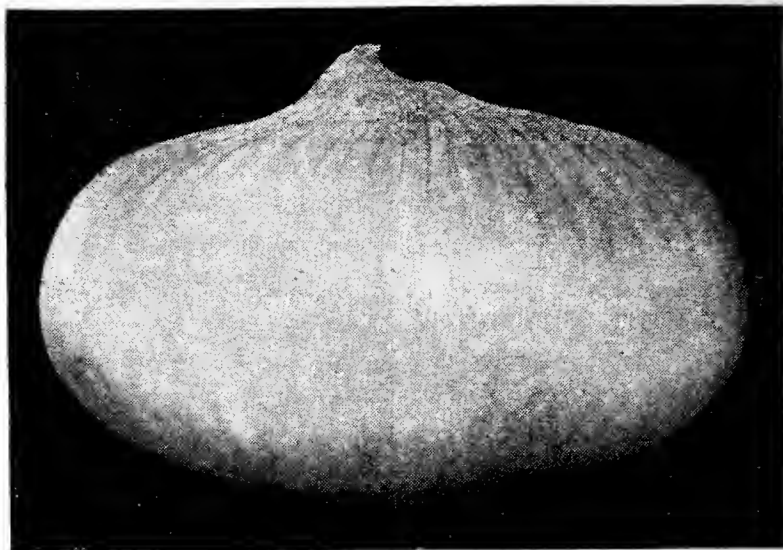
92 days. This melon has remarkable shipping qualities. The shape is long, rind is light green with irregular dark green stripes. Very prolific. A profitable melon to grow. Weight 30 lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.

ONIONS—Continued**WHITE PORTUGAL or SILVER SKIN****Choice Bunching and Set Variety**

This variety is used for the growing of white onion sets, pickles and early bunching green onions. It cannot be surpassed for this all purpose demand. The matured bulb is medium size, flat and when properly cured will keep to about mid-winter. A variety that is sweet and mild in flavor. Pkt., 7c; oz., 18c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.00, postpaid.

MAMMOTH SILVER KING OR GIANT WHITE GARGANUS

The largest white onion grown. Producing onions 15 to 20 inches in circumference (averaging 5 to 7 inches in diameter). Weighing 3 to 3½ lbs. The onions mature early and are flat and thick, the skin is a pure silvery white. The flesh is tender, sweet and mild, so much so that it can be eaten as one would an apple. This is an excellent variety for the fancy markets and an ideal variety for the home gardens. Pkt., 7c; oz., 18c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.00, postpaid.

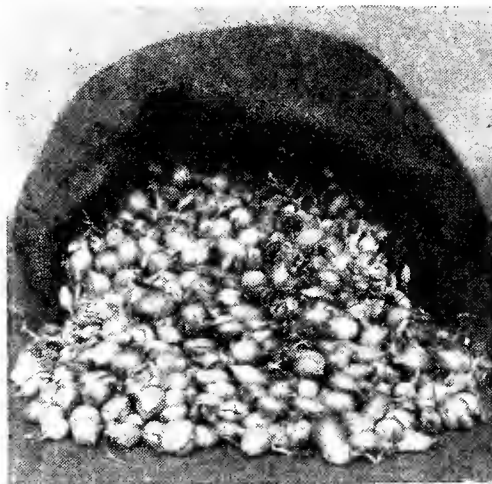
**Mammoth Silver Skin**

Shumway's Onion Sets

Set 10 to 12 Bushel to the Acre

The onion sets we have to offer are all graded, passing through a one-inch screen, making them run about $\frac{7}{8}$ of an inch in diameter. Our sets are all fanned and picked over before making shipment, so the purchaser receives only solid sets.

Sets that are greater than 1 inch in diameter will throw off a seed stalk making it impossible to produce large onions from that size.



RED. Grown from seeds of Red Wethersfield. $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.85, postpaid.

YELLOW. Grown from Yellow Flat Danvers. $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.85, postpaid.

EBENEZER. See description of variety on page 39. $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.85, postpaid.

WHITE. Grown from seed of White Portugal. $\frac{1}{2}$ lb., 18c; 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.25, postpaid.

MIXED. Mechanically made by mixing the three colors together. $\frac{1}{2}$ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.85, postpaid.

SPECIAL

GOLDEN GLOBE. A strain especially adapted for green onions for the market gardener; also if allowed to mature will produce a good sized globe shaped onion for the market. A very good keeper. $\frac{1}{2}$ lb., 18c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25; 10 lbs., \$2.25, postpaid.

Pickling Onions**WHITE QUEEN**

The earliest of all onions, very white skinned, and particularly valuable for pickling, also bunching for the early market. Small in size, nearly round, very mild and sweet. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.00, postpaid.

WHITE ADRIATIC BARLETTA

A very early, beautifully white, small, mild variety. Used extensively for pickling. The skin is silvery-white and as thin as tissue paper. Pkt., 8c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.00, postpaid.

WHITE PEARL or AETNA

Considered one of the earliest small white varieties. The shape is almost round, beautiful in appearance. The skin is thin and the flesh a clear white. Flavor is very mild. Pkt., 8c; oz., 20c; $\frac{1}{4}$ lb., 70c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00; 5 lbs., \$9.00, postpaid.

Garlic Bulbs or Sets

They have an onion or pungent flavor, making them desirable when used in the flavoring of soups, sausage as well as salad dressings. The set multiplies, and may be divided to grow large bulbs. $\frac{1}{2}$ lb., 20c; lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75, postpaid.

See Page 3 for Quantity Prices—Not Prepaid

OKRA or GUMBO

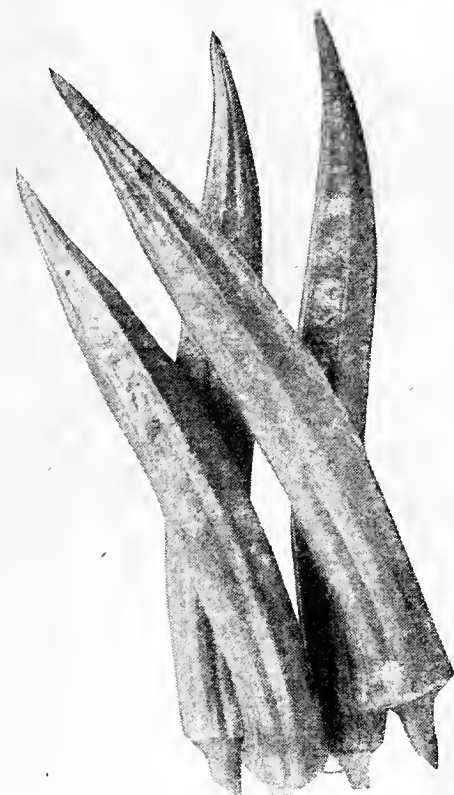
CULTURE: Okra pods are much in demand for soups, stews, and salads, to which they impart a rich and delicious flavor. Sow the seed in May when the ground is warm, placing about 5 seeds to the foot in drills $2\frac{1}{2}$ feet apart, covering an inch deep. Thin to 18 inches in the row and keep well cultivated. Pods are at their best when 2 to 3 inches long. Ready for table in 9 to 10 weeks.

WHITE VELVET

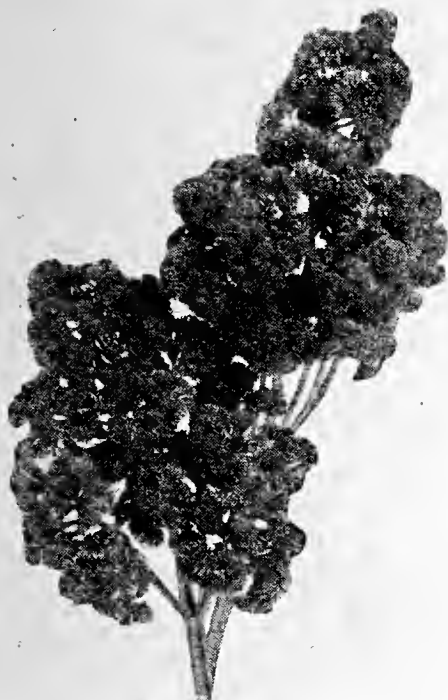
Very popular home garden and local market variety, bearing large, round, velvety-white pods of superior flavor, which are perfectly smooth, and stay tender until nearly full size. Enormously productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 65c; 5 lbs., \$2.75, postpaid.

PERKINS LONG GREEN POD

Vigorous grower, producing an abundance of long, straight, slender pods, slightly ribbed, and of a beautiful intense green color. An early variety, fine for canning. Holds its tenderness and color longer than any other sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 65c; 5 lbs., \$2.75, postpaid.



Long Green Pod



Champion Moss Curled

PARSLEY

CULTURE: 1 ounce for a row 125 feet long. Used for garnishing and flavoring, etc. Parsley does best in a deep, rich, mellow soil and should be planted thickly early in the spring in rows one foot apart and $\frac{1}{2}$ inch deep. Thin out to stand 6 inches apart in the rows. As parsley seed is slow to germinate, it is important to soak the seed in lukewarm water for several hours before sowing, in order to bring about a more prompt germination. When the curled varieties are 3 inches high, cut off all the leaves; the new growth will then be a brighter green and more curled. Each cutting will improve the quality of the leaves. Leaves may be dried, rubbed to a powder, stored in bottles until needed during winter months. Parsley may be grown in pots in the house for winter use.

CHAMPION MOSS CURLED

Immensely popular and well known because of its deep vivid green color and very tightly curled leaves that have the appearance of moss. Plants are of hardy, dwarf, and compact growth and very decorative in garden borders. Unusually beautiful for table use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00, postpaid.

EMERALD GEM

A very dwarf, compact variety with large finely curled leaves of a rich dark green. Excellent for garnishing and flavoring; also most ornamental in the garden. Resists heat and drought splendidly. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00, postpaid.

HAMBURG or TURNIP ROOTED

The yellowish white roots of this variety are edible and they resemble small parsnips in size and shape. Valued for flavoring soups, stews, etc. The foliage is like that of the plain parsley. The roots are not spoiled by frost and may be left in the ground over winter or stored in sand for winter use. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., \$1.00, postpaid.

PARSNIPS

CULTURE: Plant as early in the spring as the weather will permit, in a loose, rich, sandy loam. Parsnip seed is slow to germinate, especially in dry weather, and must have steady and abundant moisture. Sow in rows about 2 feet apart and when 2 inches high, thin to 5 inches in the row. Parsnips are improved by frost and may be left in the ground all winter to be used in the spring, when they will be just as sweet and tender as ever. Be sure never to use fresh stable manure on them.

SHUMWAY'S IMPROVED LONG SUGAR

A highly esteemed variety which is fine for the private garden and critical growers. Sweet, tender, very smooth, without woody core, and of excellent flavor. A heavy-shouldered strain and a great cropper, wonderfully suited for storing in winter. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.00; 5 lbs., \$4.50, postpaid.

HOLLOW CROWN

This is the standard popular Parsnip, grown for quantity production. The handsome, long, thick, and shapely roots have a very smooth white skin, and the flesh is exceedingly tender and sugary. A most prolific type and grown largely in the home garden and for market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 80c; 5 lbs., \$3.50, postpaid.



Shumway's Improved Long Sugar



Imp. Virginia

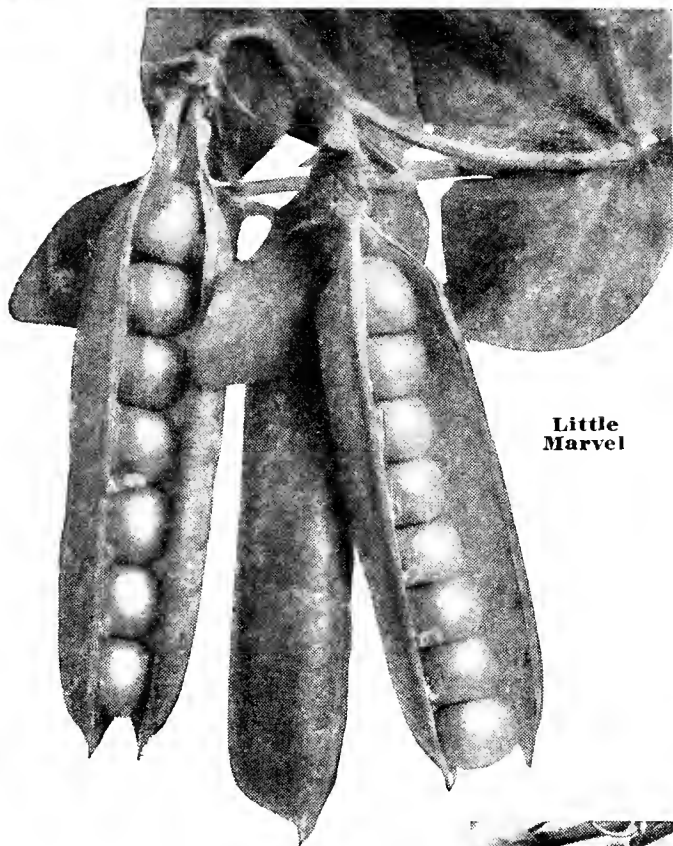
PEANUTS

CULTURE: Peanuts can be grown in any part of the country, and in any soil that will grow corn or cotton. A light sandy or loamy soil is the best. The seeds are the valuable part of the crop, but the vines can also be used, when dried, for stock feed. Sow in May or June, spacing the seeds 8 to 10 inches and the rows $2\frac{1}{2}$ to 3 feet. Do not cultivate after the vines have begun to spread.

IMPROVED VIRGINIA JUMBO

An extremely productive variety with vigorous vines, and pods yielding 2 to 3 large kernels. The uniform large size and attractiveness of these peanuts makes them ready sellers on the markets. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.90, postpaid.

PEAS



**Little
Marvel**

CULTURE: Peas are of two classes, smooth and wrinkled. The wrinkled are sweeter and finer quality; the smooth earlier, semi-sweet, with a stronger legume flavor. The smooth varieties are hardy and should be sown as soon as the ground is workable; the wrinkled about 10 days later. Sow 2 to 3 inches deep, in rows 20 to 42 inches apart depending on length of vines. The earliest sorts do best on a light warm soil; main crop and late types on a heavier moisture-holding soil. Different varieties selected for varying maturity dates will give a continuous crop if planted at the same time. Late spring planting should be avoided. Extra early sorts planted in August will give a fall crop. The taller vines need to be supported for best results. 1 lb. seed will sow 50 ft. row; 120 to 180 lbs. to the acre. 56 lbs. wrinkled seed to 1 bu. 60 lbs. smooth seed to 1 bu.

LITTLE MARVEL

58 days. Wrinkled. The outstanding early dwarf variety, equally favored for home and market use. Only a few days later than the earliest. Its special distinction is that it stands very long in perfect condition for picking. The plants average 15 to 18 inches high and are of sturdy, even growth. The pods, usually growing in pairs, are about 3 inches long, dark green, square-ended, and bursting with 7 or 8 plump, slightly flattened dark green seeds. In quality and flavor the peas are unsurpassed; extremely tender and sweet. Very productive and hardy. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

SHUMWAY'S MARVELOUS PEAS

(See Inside Front Cover)

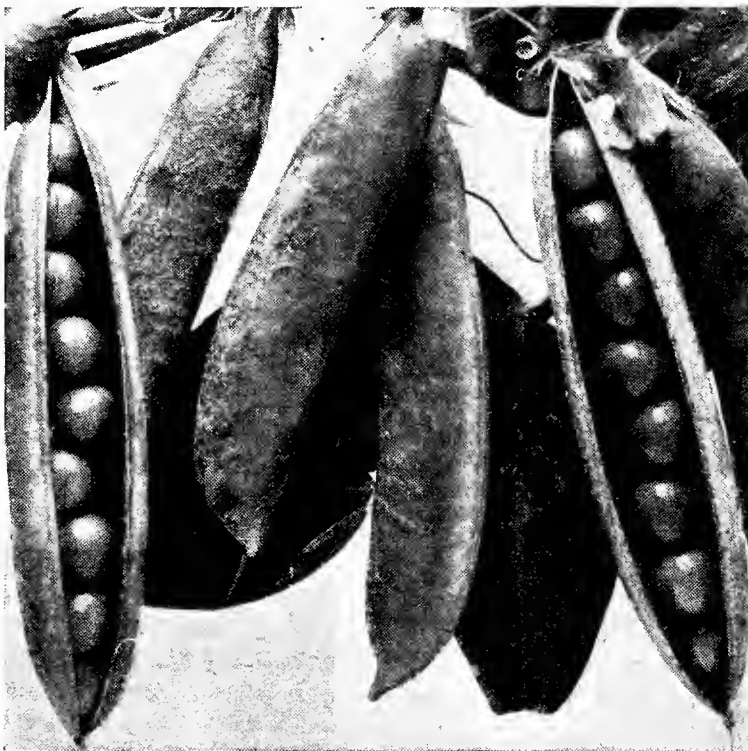
58 to 60 days. Height 16 inches, Mammoth Pods, Very Sweet,

Wrinkled — We consider this one of the outstanding varieties of early Peas. The mammoth pods are well filled with 8 to 9 exceptional sweet quality peas. The vine is dwarf in nature and a luxuriant green in color. An exceptionally fine home garden variety and particularly nice for the fancy markets. Pkt., 15c; ½ lb., 30c; lb., 50c; 5 lbs., \$1.75, postpaid.

All wrinkled-seeded varieties of Peas are in short supply throughout the seed trade due to unfavorable growing conditions of 1932.

HUNDREDFOLD OR BLUE BANTAM

60 days. Wrinkled. A choice large podded extra early variety which we can recommend for the market gardener and home use. As its name implies it bears very prolifically large pods, containing 8 to 9 large tender peas of excellent flavor. The vines grow about 16 to 18 inches tall making it a very desirable variety for the home garden. Hundredfold is an exceptionally fine variety to be grown in the cooler parts of the country as it can be planted every two weeks of the growing season. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.



Hundredfold or Blue Bantam

LAXTON'S PROGRESS

58 days. The newest variety of garden peas of real merit. This is an extra early variety maturing a few days earlier than Hundredfold or Laxtonian which in the past were the peers of this strain. The vines grow about 15 inches tall, very vigorous and producing the largest pods of any extra early variety. The pods will average 4½ inches long containing 8 to 10 deep green large peas of excellent flavor. Although this variety is wrinkled it may be planted almost as early as the smooth pea varieties. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

LAXTONIAN

63 days. Wrinkled. A dwarf variety remarkable for its ability to produce extra large pods very early. Very desirable for the home garden on account of its large yield with little care on a small allotment of land. The vines are about 18 inches in length and of very vigorous and dependable growth, withstanding adverse conditions well. The pods are dark green, about 4½ inches long, straight, pointed, and well packed with large, sweet, delicious peas. If planted every 10 days up to the last of May, this variety will provide a continuous supply for the table. Highly valued by the market gardeners for its productivity and earliness. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.



**Laxton's
Progress**

**For More
Vigorous Growth
and Greater
Yield of Peas Use**

NITRAGIN

Inoculator size for
1½ bu. or 100 lbs.,
90c; 1 bu., 60c; ½ bu.,
40c; garden size, 25c.
In Ordering Specify
for Peas

GRADUS or PROSPERITY

60 days. Wrinkled. A standard, popular, early variety of good quality. The vines are of medium height, about 3 feet, have heavy stems and large light green leaves. The dark green pods measure about 4 inches, are rounded near the point, and contain 7 to 10 large, tender peas, rich in flavor. The seeds remain tender and sweet long after picking, and their beautiful light green color is not lost in cooking. They are probably the largest highly flavored peas grown. Ours is the improved strain, considered one of the best and most reliable producers when planted on warm, light, rich soil. Pkt., 10c; ½ lb., 18c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.35, postpaid.



Gradus or Prosperity

THOMAS LAXTON

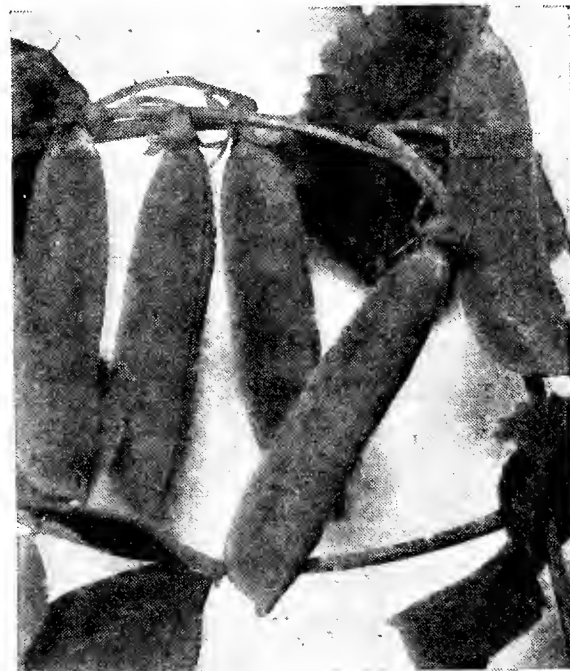
58 days. Wrinkled. A selection from Gradus, differing chiefly in its greater productivity and darker color of pod and seed. The vines are about the same height but hardier. The pods are more numerous and have blunt ends. The seeds are large, tender, and delicious, and their dark color makes them very attractive for the table. Like the Gradus, the peas remain in fine condition for a long time. In quality this type has no superior. Excellent for home garden. Very profitable for market garden on account of heavy yield and good demand. Pkt., 10c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.



Thomas Laxton

SUTTON'S EXCELSIOR

67 days. A first early dwarf pea of high quality, ranking with the best of the wrinkled sorts. It is very hardy and can be planted early. The vines are about 18 inches high, sturdy, and very productive. Its pods are perhaps longer than those of any other dwarf wrinkled type. They are plump, blunt, and well filled with large peas. Pkt., 10c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.



Improved Stratagem

IMPROVED STRATAGEM

78 days. Wrinkled. The finest dwarf late type, very desirable to follow earlier sorts in the home garden. The vines are stout and prolific, producing a surprising number of pods, and requiring no support. The dark green pointed pods, 4½ inches long, often contain 7 extra large, squarish, green peas. Splendid flavor and quality. Long picking season. Also profitable market variety. Pkt., 10c; ½ lb., 18c; lb., 32c; 2 lbs., 60c; 5 lbs., \$1.25, postpaid.



American Wonder

AMERICAN WONDER

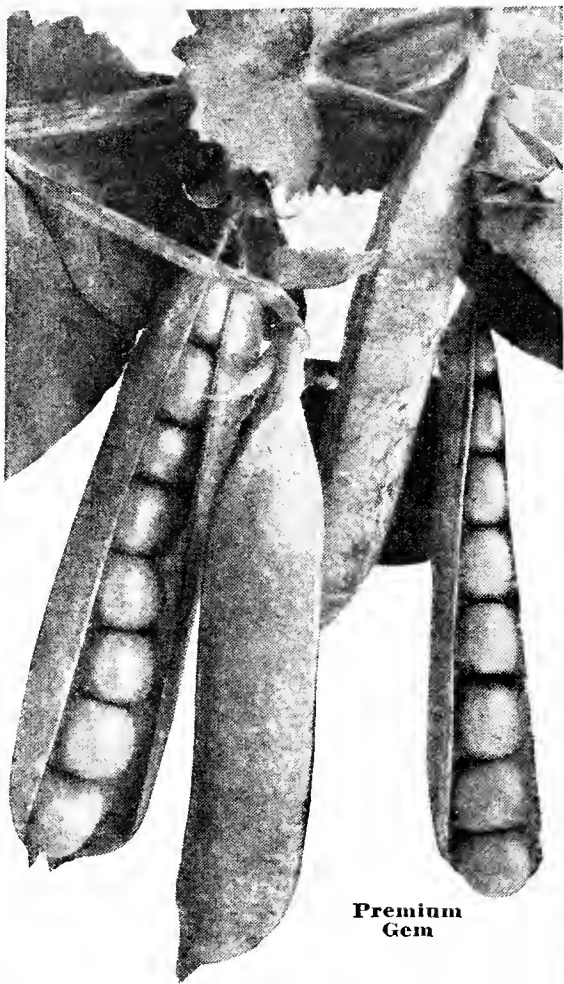
56 days. Wrinkled. An old variety of standard quality, standing out for its marked earliness and extreme dwarf habit. The plants are only one foot tall, but are of vigorous growth and good yield. The pods are dark green, short (about 3 inches), plump, straight, blunt-ended, and solidly filled. The seeds are rather small, squarish, with a fine flavor. A valuable home garden sort. Pkt., 10c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

SHUMWAY'S**SUCCESSION PEA COLLECTION**

To be planted at the same time, assuring a continuous supply of fresh peas through the season.

Ameer—58 days	} Pkt. of each 35c ½ lb. of each 60c lb. of each \$1.15
Laxtonian—63 days	
Dwarf Telephone—70 days	
Stratagem—78 days	

See Pages 2-3 for Quantity Prices—Not Prepaid



Premium
Gem

SHUMWAY'S EXTRA EARLY PHILADELPHIA

55 days. Smooth. An exceedingly productive extra early variety. A sort that will stand very early planting. Vines are healthy and vigorous. Seed is light cream color and smooth. Pods $2\frac{3}{4}$ inches long. Length of straw, 30 inches. Pkt., 8c; $\frac{1}{2}$ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

LARGE WHITE MARROWFAT

80 days. Smooth, cream seeded. Hardy, vigorous, bearing prolifically. Pods 3 inches long near the top of the vines. This is one of the older varieties and many people prefer them to the varieties that are sweeter. This sort is also used for sowing with oats for feeding stock. Pkt., 8c; $\frac{1}{2}$ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

FIRST AND BEST

54 days. Smooth. Also known as Pedigree Extra Early, Maud S., Early Kent, Dan O'Rourke. An extremely early, hardy variety, well suited for the first planting, and profitable for the early market. The vines are dwarf, 2 feet high, but yield a remarkably heavy crop. The pods are only $2\frac{1}{2}$ inches long, but fat, blunt-ended, and well packed with 5 to 7 medium sized peas. Excellent table quality and rich flavor. Pkt., 10c; $\frac{1}{2}$ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

SHUMWAY'S PERFECTION

56 days. Smooth green seeded. The most delicious sweet early variety. A sort that will surely please those who wish to be the first on the market with green peas. This may be planted as early as the ground can be worked. The pods well filled, $2\frac{1}{2}$ to 3 inches long containing 7 to 8 peas. Straw 18 inches in length. Pkt., 8c; $\frac{1}{2}$ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

MELTING SUGAR

75 days. Smooth. The best known of the edible pod varieties. The vines, 4 to 5 feet tall, produce a plentiful crop of large, thick pods, about $4\frac{1}{2}$ inches long, light green, with seeds creamy or white. The pods should be picked when the seeds are just beginning to form. At that time they are very tender and brittle and break like snap beans without stringiness. Broken and cooked, pod and seedlings together, this variety makes a choice, appetizing dish. Pkt., 10c; $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

PREMIUM GEM

62 days. Wrinkled. There is no variety of the earlies that is more popular. It is hardy, prolific and uniform in habit and growth. Pods $2\frac{1}{2}$ inches long, well filled in the end, containing peas of fine flavor which are produced about a week later than American Wonders. Straw 18 inches in length. Pkt., 10c; $\frac{1}{2}$ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

McLEAN'S LITTLE GEM

60 days. Similar to Premium Gem but more straggling in growth. This variety has been handed down over a great number of years and still retains its popularity with the market and home gardener. Straw 18 inches in length. Pkt., 10c; $\frac{1}{2}$ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

DWARF TELEPHONE or DAISY

70 days. Wrinkled. A selected strain embodying all the superb qualities of the Improved Large Telephone in a dwarf type. No other dwarf variety can boast such large pods. They are about $4\frac{1}{2}$ inches long, plump, round-ended, and tightly filled with 8 or 9 large green peas of the finest quality. The vines, about 2 feet tall, are very prolific and stout, require no support, and are very easy to cultivate. An exceptional home garden and trucker's variety. Pkt., 10c; $\frac{1}{2}$ lb., 18c; 1 lb., 32c; 2 lbs., 60c; 5 lbs., \$1.35, postpaid.

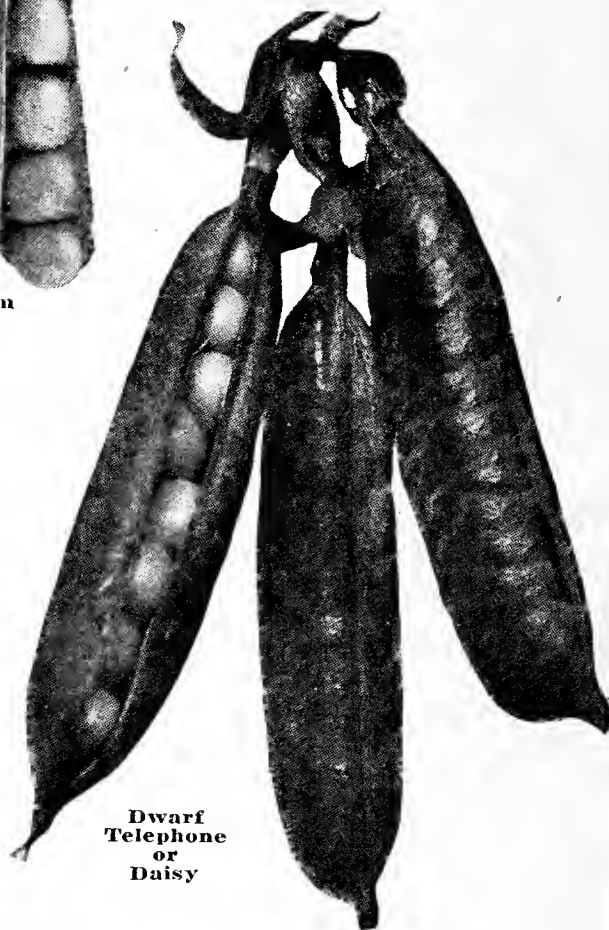
CHAMPION OF ENGLAND

77 days. Wrinkled. It has been for many years, and still is, the standard late tall pea. The vigorous vines are 4 to 5 feet tall, branching, and yield a great profusion of light green pods, about 3 inches long, broad, plump, blunt, and well filled. The peas, 6 to 9 to the pod, are of good size and unusually sweet and luscious. Highly desirable for home or market garden. Pkt., 10c; $\frac{1}{2}$ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

**See Pages 2-3, for Quantity
Prices—Not Prepaid**

GARDEN SUGGESTION

When first planting of Peas are through, spade in the vines and plant Cucumber or put in second planting of Beets or Carrots.



Dwarf
Telephone
or
Daisy



First and Best

AMEER or CLAUDIT

58 days. Smooth. Sometimes called Bountiful. Somewhat similar to Alaska and only slightly later. However, the vines are more productive, the pods much longer and broader, and the peas larger. The pods are dark green and contain 7 or 8 peas of good quality and rich flavor. The vines grow about 3 feet tall and, to secure best results in the home garden, should be supported with brush or strings. An exceptionally hardy variety which can be planted very early and will succeed under adverse conditions. Pkt., 10c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

BLISS EVERBEARING

74 days. Wrinkled. Noteworthy for its ability to produce new pods in succession over a considerable period if kept picked. The vines are about 30 inches tall and yield a large quantity of thick straight pods, well packed with seeds. The peas themselves are large, sweet, and rich flavored. An exceedingly desirable home garden type for summer and fall. Pkt., 10c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

IMPROVED LARGE TELEPHONE

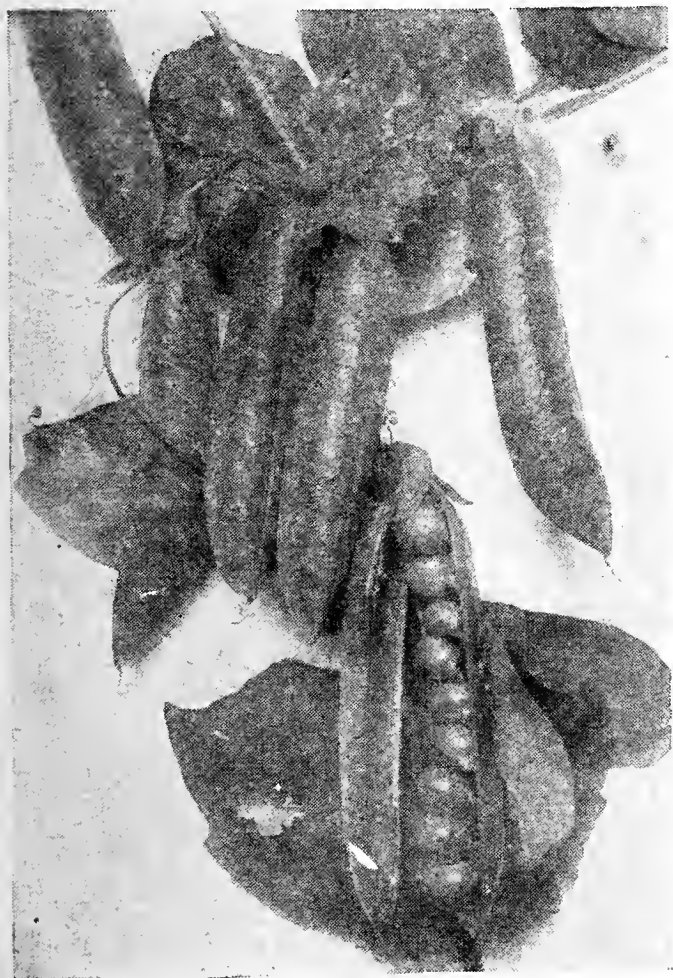
68 days. Wrinkled. The best tall late variety. The vines average 4 to 4½ feet tall and yield an abundant supply of long (5 inches), fat, dark green pods well filled with 8 or 9 large seeds. The tender peas have a sweet rich flavor and can hardly be excelled for quality. A very profitable main crop and late sort for the market gardeners. If planted about the first of July, it will bear right up to the first hard frost. A sure cropper. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

NITRAGIN

For more vigorous growth and greater yield of Peas use NITRAGIN. Inoculator size for 1⅓ bu. or 100 lbs., 90c; 1 bu., 60c; ½ bu., 40c; garden size, 25c.

In Ordering Specify for Peas

Our Packets of Peas Weigh 3 to 3½ Ounces



Bliss Everbearing



Improved Large Telephone



Nott's Excelsior

NOTT'S EXCELSIOR

59 days. This is one of the best dwarf wrinkled peas in cultivation. Very sweet and prolific. It resembles Premium Gem, but is more uniform in growth and a heavier yielder. The peas seem to be packed tight in the pods which are produced in great abundance on the straw. The pods are light green in color, straight and round, 2½ inches long. This is one of the most popular varieties with the market gardener and an excellent variety for the home garden. Length of straw, 14 inches. Pkt., 10c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

ALDERMAN

68 days. Wrinkled. A very prolific main crop type especially popular with the market gardener. It produces enormous dark green pods, larger than those of any other commercial variety. The pods contain 7 to 9 large, oval, green peas of the choicest quality. The pods and peas have a fine appearance which remains perfect for several days after picking, and they bring a high price in the market. The vines grow vigorously to a height of 4½ to 5 feet, and in the home garden are usually supported on strings or trellis. Pods, 4½ inches long, slightly tapered. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.40, postpaid.

ALASKA

55 days. Smooth. A variety extensively used by the canning factories. It is very early and when properly cared for will bear the peas at one time. The foliage is light green in color, the pods 2½ inches long, round and well filled. The seed is round, with a bluish cast, slightly pitted. This variety keeps well in the basket after being picked, making it a desirable variety for the early market. Height, about 30 inches. Pkt., 8c; ½ lb., 17c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.25, postpaid.

PEPPERS

(SWEET)



California Wonder

CALIFORNIA WONDER (See Color Plate)

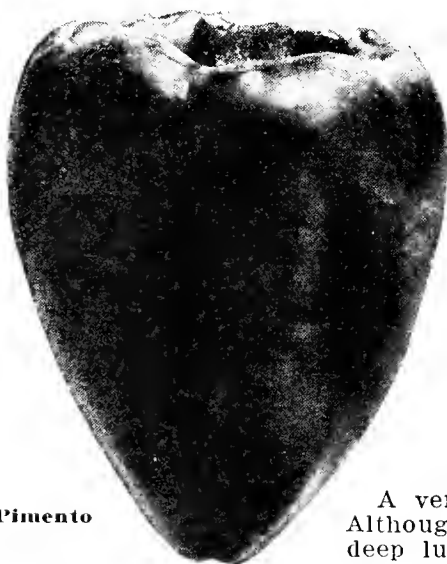
A new introduction which outranks all others in merit and is destined to become the leader in popularity. The fruits are very large and blocky, often measuring 5 inches long by 4 inches in diameter at the crown, and weighing up to 1 pound. They are smooth and glossy, dark green when young and becoming brilliant scarlet when ripe. The outstanding characteristic is the thickness and quality of the flesh; it is often $\frac{3}{8}$ inch thick, and very crisp, tender, juicy and sweet, without any pungency. Ideal sliced with salad or served stuffed and baked. A very fine shipper and good keeper. Equally indispensable for home or market garden. The vines are vigorous and productive. Medium early. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.60; $\frac{1}{2}$ lb., \$3.00; lb., \$5.75, postpaid.



Giant Chinese

CHINESE GIANT

For size this variety is unequalled. The fruits are squarish and sometimes measure 6 inches across by $4\frac{1}{2}$ to 5 inches deep. They are rich green turning at maturity to brilliant cherry red. The meat is moderately thick, sweet, and mild. Desirable for slicing or as a stuffed dish. The vines are dwarf, 18 inches to 2 feet tall, and yield well for so large a pepper. The choice late type. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.60; $\frac{1}{2}$ lb., \$3.00; lb., \$5.75, postpaid.



Pimento

PIMENTO

Known as the sweetest of all peppers; absolutely without a suggestion of sharpness. The fruit is heart-shaped, curving smoothly from a broad crown and pointed at the base; size medium and shape uniform. Color bright green ripening to ruby red. None but California Wonder can surpass it in thickness and quality of flesh. Excellent sliced for salads, or stuffed and baked. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.50; lb., \$2.85, postpaid.

OSHKOSH

A very desirable large yellow variety. Although it is bright yellow when ripe, it is deep lustrous green when young, and it may be marketed either as a green or a yellow pepper. The fruits are smooth, without lobes, broad at the shoulder and tapering to a blunt lower end; $4\frac{1}{2}$ by $3\frac{1}{2}$ inches. The flesh is mild and exceptionally sweet. Very prolific plants, producing fruits about as early as Ruby King. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.60; $\frac{1}{2}$ lb., \$3.00; lb., \$5.75, postpaid.

MAMMOTH GOLDEN QUEEN

A very attractive novelty pepper, the largest of the yellow types. The fruits are bell shaped with a waxy, golden yellow skin and thick, light yellow flesh. Exceedingly mild, sweet, and fine flavored. The plants are vigorous and bear a large crop. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; $\frac{1}{2}$ lb., \$2.70; lb., \$5.25, postpaid.



Mammoth Golden Queen

RUBY KING

An outstanding large-fruited sweet type equally popular for market and home garden. The fruits average 5 by 3 inches, taper slightly from the crown, and are usually three-lobed. In color they pass from a deep green to a glossy ruby red when ripe. The flesh is thick, crisp, and tender; mild in flavor with a faint piquancy. Excellent for pickling when green and for slicing when ripe. Delicious and attractive when served stuffed. The plants are vigorous and upright, about 2 feet tall; very prolific, sometimes bearing as many as 12 fruits. Pkt., 10c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.50; lb., \$2.85, postpaid.

BULLNOSE or LARGE BELL

A very early variety combining the merits of the sweet and hot types. The ribs are quite pungent, the rest of the fruit mild. The peppers are deep green ripening to scarlet; squarish, medium sized. Flesh is thick, of fine quality and pleasant flavor. The best type for stuffing when green. Highly desirable for pickling. The plant is vigorous, producing a good crop of peppers, all of which ripen about the same time. Pkt., 10c; oz., 30c; ¼ lb., 85c; ½ lb., \$1.60; lb., \$3.00, postpaid.

HARRIS EARLY GIANT

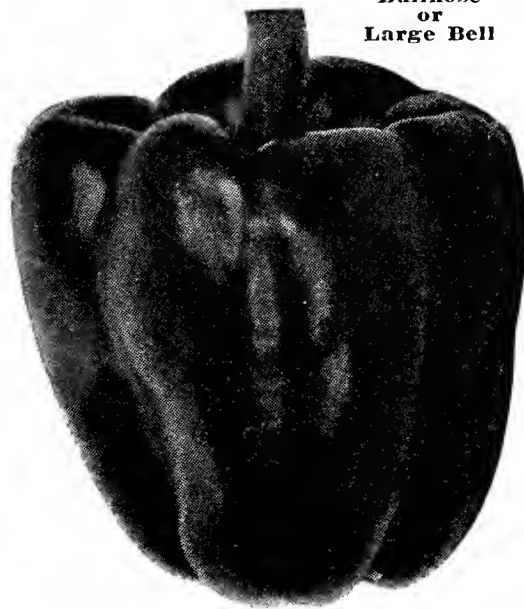
A new variety which is readily sought for on all markets. Early, beautiful red, extremely tender variety. Really a peer in the pepper family. Very desirable in size and for the preparing of all pepper delicacies. Should be planted by all who desire peppers in their garden. Pkt., 10c; oz., 40c; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00, postpaid.



Harris Early Giant



World Beater

Bullnose
or
Large Bell**WORLD BEATER**

This superb sweet Pepper is a cross between Ruby King and Chinese Giant. From the former it gets its tall handsome shape and earliness, from the latter, its huge size, and from both, its fine quality and delicious mild flavor. The fruits, which are produced in abundance, are about 5 inches by 3; four-lobed; dark green in color, changing to bright scarlet. They are just the right size and shape for stuffing. It is a perfect type for the home gardener, and its handsomeness, size and good shipping qualities make it a

most profitable variety for the commercial grower. Pkt., 10c; oz., 35c; ¼ lb., \$1.15; ½ lb., \$2.20; lb., \$4.25.

Hot, Pungent Varieties

HUNGARIAN YELLOW WAX—An early hot pepper, noted in its class for being unusually large and thick-fleshed. The fruits are 6 to 7 inches long and 2 inches in diameter at the shoulder, tapering to a point. They are waxy yellow at first, later becoming orange, and finally bright red. Very fine for canning. Pkt., 15c; oz., 50c; ¼ lb., \$1.75.

LONG RED CAYENNE—A well known, pungent, very sharp variety. Used in pickles and pepper sauce, also desirable for feeding birds. Pkt., 10c; oz., 40c; ¼ lb., \$1.25, postpaid.

SMALL RED CHILI—Beautiful red pods about 2 inches long. They are very hot, desirable in the making of pepper sauce or pickles. Pkt., 10c; oz., 40c; ¼ lb., \$1.40, postpaid.

PUMPKINS—Crook-Neck Varieties**STRIPED CUSHAW**

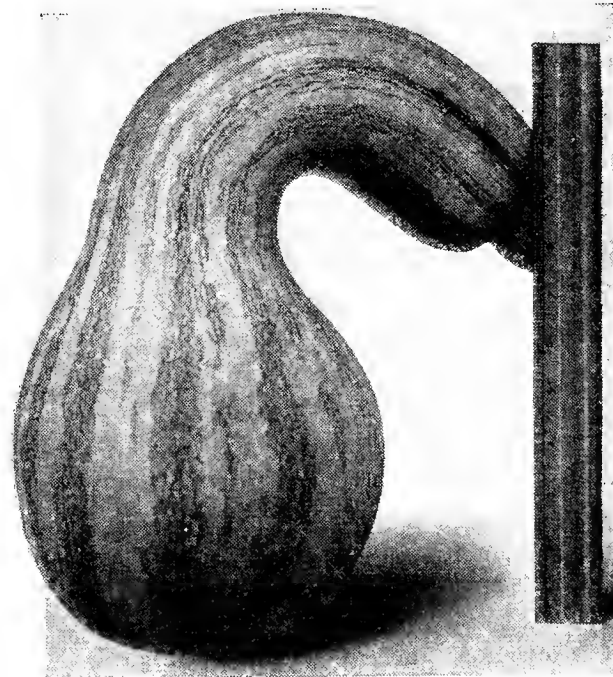
120 days. Bulb shaped at the base with a long crooked neck; irregular green stripes on a white background. The flesh is light yellow, very thick, somewhat coarse grained, but sweet. Largely used for stock feed, but suitable also for table use. Very prolific. A good keeper. Size, 18 by 10 inches. Weight, 10 to 15 pounds. Pkt., 7c; oz., 10c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.00; 5 lbs., \$4.75, postpaid.

JAPANESE PIE

This is similar in shape to the Cushaw. Crook-necked, the skin is dark green. The seeds are large, showing a polish with markings similar to Chinese Letters. This is an early popular variety both for pies and for feeding stock. Matures in 115 days. Weight, 10 to 12 lbs. Pkt., 7c; oz., 12c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.00; 5 lbs., \$4.75, postpaid.



Japanese Pie



Striped Cushaw

PUMPKINS



Large Yellow Connecticut or Big Tom

CULTURE: When the ground is warm, sow in hills 8 to 10 feet apart, 8 to 10 seeds to the hill, 1 inch deep. Thin out to 2 or 3 strong plants to the hill. When grown in cornfield, plant after last cultivation about every fourth row. Hoe well until vines get started. When plants first appear dust with Kalite or Slugshot to combat beetles and Evergreen or Red Arrow for aphid control. See page 95.

LARGE YELLOW CONNECTICUT FIELD or BIG TOM

120 days. Although most widely known as the standard variety grown in cornfields for stock feeding, this pumpkin has distinct merits, as a pie and canning type. The yellowish orange flesh is thick, firm, and moderately fine textured, with a sweet, rich flavor. The fruits are very large, nearly round, flattened at the ends, well ribbed, and of a reddish orange color. The rind is tough, and the fruits keep a long time. The vines are exceedingly vigorous and prolific, sometimes attaining a length of nearly 20 feet. Size 18 by 12 inches. Weight, 20 pounds. Oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 70c; 3 lbs., \$1.75; 5 lbs., \$2.75, postpaid.

LARGE CHEESE

110 days. So named because in appearance it resembles a cheese box. It is round and very much flattened, its breadth being about twice its depth. Somewhat ribbed, creamy yellow when ripe. The flesh is very thick, deep orange in color, tender, sweet and of good quality. Extensively used for canning; also suitable for pies. Very prolific and disease resistant. Size, 12 by 7 inches. Weight, 9 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 5 lbs., \$2.50, postpaid.



Large Cheese

MAMMOTH JUMBO or POTIRON

(King of the Mammoth)

120 days. The largest of all types and the finest for exhibition purposes. The fruits frequently weigh over 100 pounds. They are nearly round with slight ribbing; skin bright lemon, mottled with orange, and often netted like a muskmelon. The flesh is very thick, firm and sweet, and of a quality suitable for pies. A huge yielder, sometimes as much as 100 tons to the acre; very well adapted for stock feed. For exhibition specimens, grow in rich soil, one vine to the hill, and allow only one fruit to mature on each vine. Average size, 24 by 18 inches. Average weight, 60 pounds. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 2 lbs., \$2.85, postpaid.

SUGAR

(The Outstanding Pie Pumpkin)

75 to 80 days. Known also as Boston Pie and Sugar Pie. Recommended as the finest pie pumpkin and the best type for general use. Small to medium, it is a handy size for the home. The flesh is creamy yellow, thick, fine grained, sweet and of superb flavor. Unsurpassed for cooking; widely used for canning. The fruit is orange in color; in shape round, flattened; distinctly ribbed. A fine keeper. Very prolific. Size, 8 by 10 inches. Weight, 6 to 7 pounds. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 85c; 2 lbs., \$1.60; 5 lbs., \$3.75, postpaid.

TENNESSEE SWEET POTATO

100 days. A very popular early pumpkin, excellent for pies. The flesh is creamy white, very thick, dry, smooth grained, with a delicious sweet flavor not unlike sweet potato. The fruits are pear-shaped; white in color, striped with light green. Fine for cooking. Bake in oven like winter squash. Scrape from shell. Mix thoroughly with spices and butter to suit taste. Then place in baking dish and bake again for short time. Size, 12 by 9 inches. Average weight, 15 pounds. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 2 lbs., \$2.35; 5 lbs., \$5.25, postpaid.

Halloween Without Pumpkin Decorations and Thanksgiving Without Pumpkin Pie Are Not Complete

KENTUCKY FIELD

110 days. A fine grained large sort and does well amongst corn. Very sweet and fine for pies or canning, and very rich food for stock. Heavy yielder. Stores well for winter feed. Oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; lb., 60c; 3 lbs., \$1.60; 5 lbs., \$2.50, postpaid.

See Pages 2-3 for Quantity Prices—Not Prepaid



Mammoth Jumbo or Potiron

WINTER LUXURY or QUEEN

80 to 85 days. Noted as the best winter keeper. It is one of the sweetest pumpkins, and for pies and baked dishes has no superior. The flesh is golden yellow, thick, and fine-flavored. In shape the fruits are nearly round, in color light orange closely netted. Extremely prolific. Very popular for the home garden. Size, 9 by 10 inches. Weight, 8 pounds. Pkt., 7c; oz., 10c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; lb., \$1.10; 2 lbs., \$2.00; 5 lbs., \$4.75, postpaid.

See Page 47 for Crooked Neck Varieties

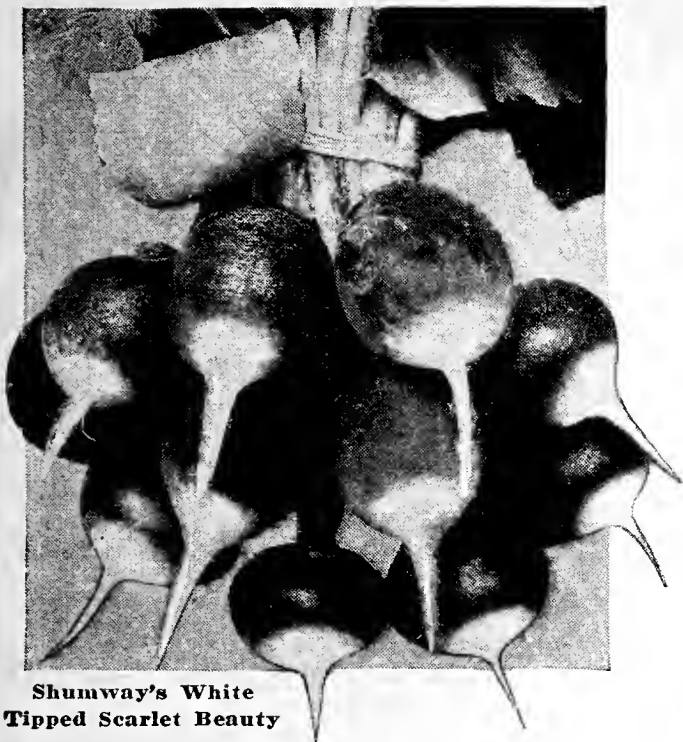
RADISH

THE FIRST SPRING VEGETABLE FROM SEED

CULTURE: Sow as early as the ground can be worked, particularly the Round Red and Olive shaped varieties. After the first of May sow the long varieties. After the first of June sow the larger varieties such as Strasburg and Stuttgart. All winter varieties should not be sown until the 15th of July. Do not make the mistake of sowing your Radish too thick as they should stand at least $\frac{1}{2}$ inch apart in the row. The larger varieties naturally require more space.

SHUMWAY'S WHITE TIPPED SCARLET BEAUTY

23 days. Discriminating home gardeners recognize this variety as the choicest table radish. It is valued for its earliness, quality and attractiveness. The roots are nearly round, and of most appetizing appearance; the rich, bright scarlet of the upper portion contrasting brilliantly with the whiteness of the tip. The flesh is exceedingly crisp, and its mild flavor has just the right touch of piquancy. In markets requiring a white tipped radish, none will sell as well as this one. Seed stock from selected transplanted roots. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.25; 5 lbs., \$5.50, postpaid.



Shumway's White
Tipped Scarlet Beauty

ICICLE

The Finest Long White Radish

25 to 30 days. Without doubt the finest long white radish, and by many considered the best of all regardless of color or shape. The pure white roots reach a length of 6 inches when fully mature; $\frac{1}{3}$ of the length standing above ground. The tops are small. The flesh is more crisp and tender than that of any other radish; and very mild in flavor. It remains in choice table condition unusually long. The best all-around home garden type; also valuable for market. Ideal to plant every 10 days for succession. May be sown late, since it resists summer heat. Seed stock from selected transplanted roots. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c; 5 lbs., \$3.75.

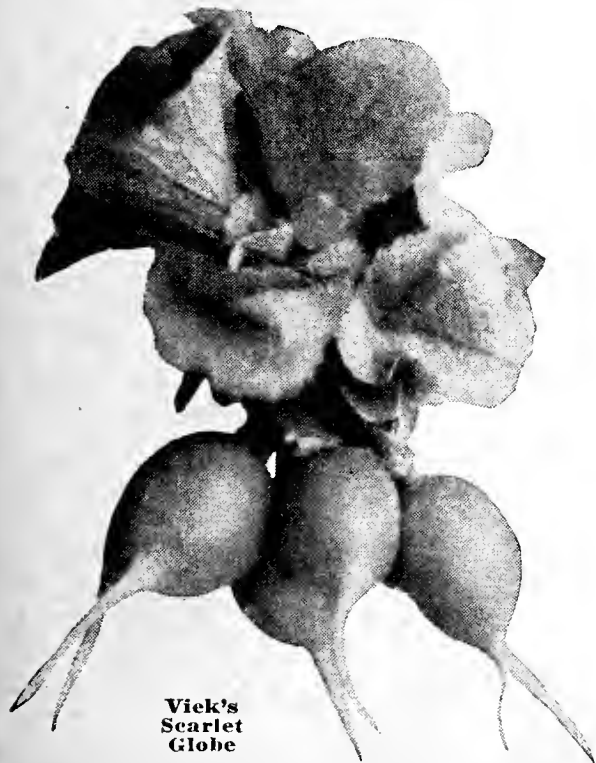
WHITE VIENNA or LADY FINGER

30 days. An ivory white, brittle, early, beautiful shaped long radish. Cannot be excelled for the market gardener or the home garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

VICK'S SCARLET GLOBE

From Reselected Transplanted Roots (See color plate)

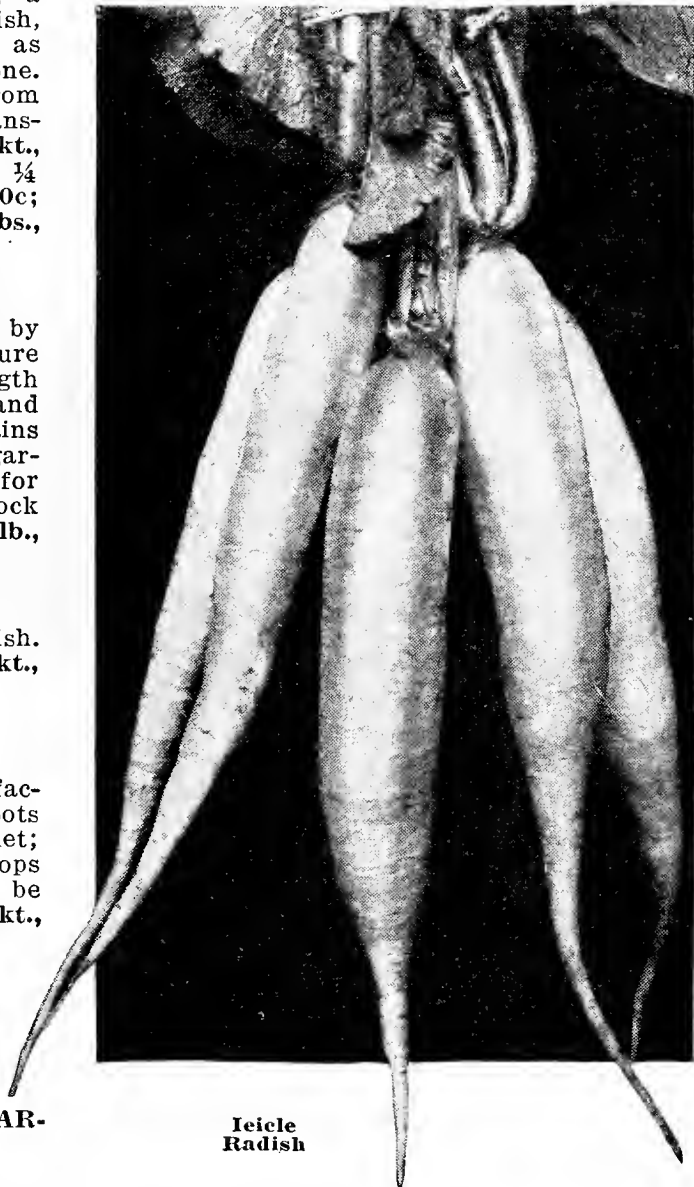
25 days. Probably the finest forcing variety, and a very satisfactory early type for garden culture, whether home or market. The roots are of uniform oval shape with thread-like tap roots. Skin deep scarlet; flesh white, crisp, tender, with a mildly snappy flavor. The small tops and handsome roots together make it a fine bunching radish. Should be pulled when a little under an inch in diameter. Very dependable. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c; 5 lbs., \$3.75, postpaid.



Vick's
Scarlet
Globe

SPARKLER or WHITE TIPPED SCAR- LET TURNIP

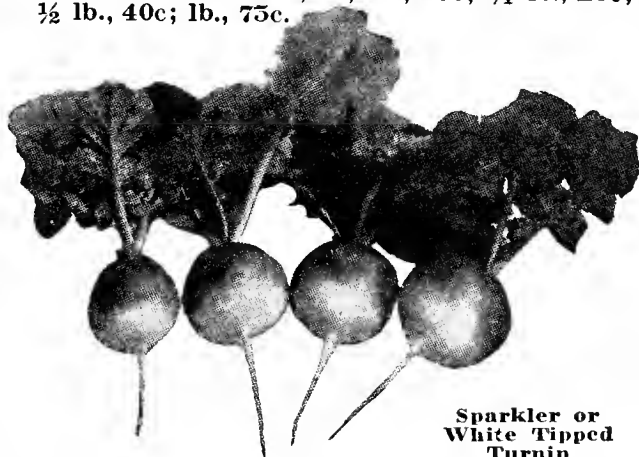
25 days. An extremely popular extra variety widely used for both home and market garden. The roots are nearly globe shaped, rich crimson in color with a wide zone of pure white at the tip. The tap roots are very slender and the tops small. Makes a fine appearance when bunched for the market. The flesh is sparkling white, and has a crisp tender quality and agreeable flavor. Equally suitable for forcing or outdoor culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.



Icicle
Radish

MIXED RADISH

Some people prefer a planting of all types in one seeding. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c.



Sparkler or
White Tipped
Turnip

ROSY GEM

25 days. This strain has come into popularity very rapidly. Beautiful red with a white tip. An excellent variety for bunching, as the quality is excellent and the tops are short. This variety cannot be recommended too highly. Market gardeners buy this in great quantities and make weekly plantings. It produces quickly, radishes of superior quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.



Rosy Gem

CRIMSON GIANT or GIANT BUTTER

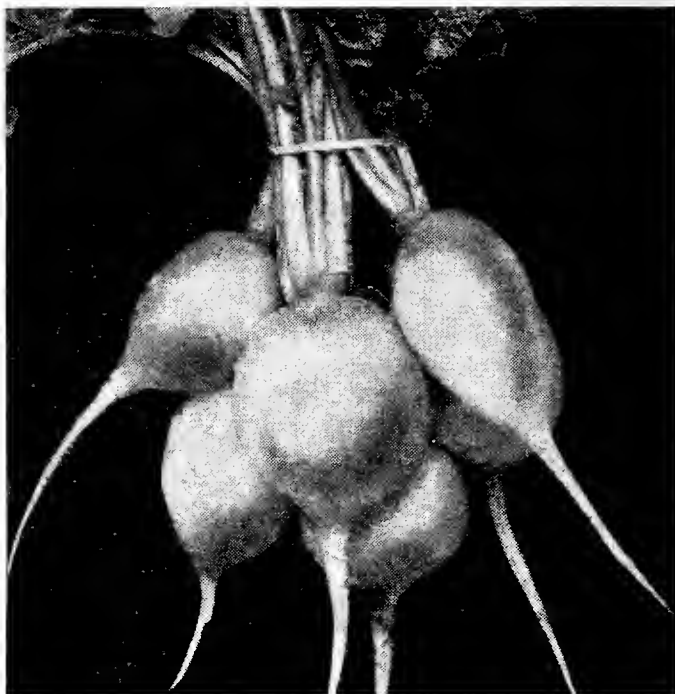
30 days. Distinguished for its large size while still retaining the fine quality and quick growth of the other early round types. It reaches perfect table condition almost as soon as any, but if left in the ground will grow to a diameter of almost 2 inches and a weight of 1 ounce without becoming hollow or pithy and without losing its crisp tenderness and unusually mild flavor. Unsurpassed for outdoor culture. The roots are very attractive; deep crimson in color. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c; 5 lbs., \$3.75, postpaid.

FRENCH BREAKFAST

25 days. A standard, quick-growing variety popular for forcing or outdoor culture. The roots are about $1\frac{1}{2}$ inches long, blunt-ended, with a small tap root; in color, rich scarlet becoming white at lower end. A small-topped radish, attractive in bunches. The flesh is white, firm, crisp, tender, sweet, and moderately pungent. Equally desirable for home or market garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 45c; lb., 75c; 5 lbs., \$3.25, postpaid.



French Breakfast



White Turnip or Box

WHITE TURNIP or BOX

35 days. A pure white round radish, slightly flattened, with a small tap root and short top. The roots are firm and crisp and remain in excellent table condition even when allowed to reach full growth. Particularly well adapted as a summer radish; yet very satisfactory when planted early. Shows up attractively when bunched with scarlet sorts. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c; 5 lbs., \$3.75, postpaid.



Crimson Giant

**The
SCHOOL BOY'S
Vegetable Collection**

50c Postpaid

10 packets of vegetable seed containing Peas, Beans, Beets, Lettuce, Radish, Spinach, Swiss Chard, Onion, Parsley and Turnip.

**A REAL VALUE
NO CHANGES ALLOWED**

DEEP SCARLET TURNIP or BUTTON

21 days. This is a well known, very early variety of exceptional quality. Beautiful scarlet in color. Short top which makes it a desirable variety for the market gardener and in the home garden where space is scarce. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

**See
Pages
2-3 for
Quantity
Prices—
Not
Prepaid**



Deep Scarlet Turnip or Button

**NON PLUS ULTRA or
FIREBALL**

25 days. A very early, perfectly round radish, noted as an exceptional forcing variety. The root is a fiery scarlet, with thread-like tap root and small top. Flesh crystal white, crisp and juicy. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

**SHUMWAY'S GOLDEN
GLOBE**

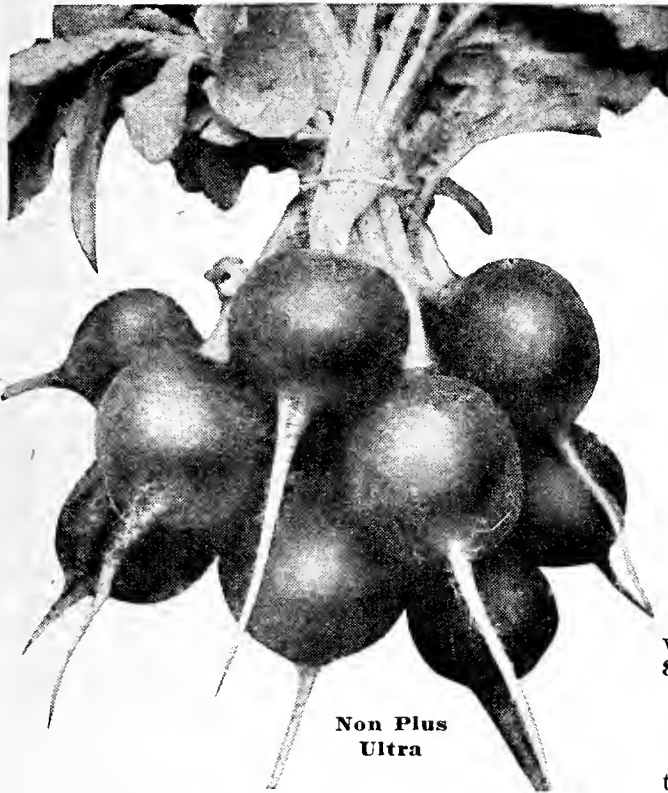
25 days. A large, crisp, golden yellow variety which stands the heat the best of any of the strains: It grows rapidly and when not too large is very sweet and tender. Pkt., 7c; oz., 15c; ¼ lb., 30c; ½ lb., 50c; lb., 85c; 5 lbs., \$3.75, postpaid.



Scarlet Olive

SCARLET OLIVE

25 days. A nearly olive-shaped variety of excellent quality. Beautiful and attractive in appearance. This variety is a good seller on the markets and very desirable in the home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

Non Plus
Ultra**SHUMWAY'S MARKET or CHARTIER**

30 to 35 days. Also called Cincinnati Market. The outstanding long scarlet radish. A very profitable type where the market favors long sorts. The roots become 6 to 7 inches long and are slender and cylindrical, tapering near the tip. The color is deep red, shading to white at the lower end. The tops are small and planting may be very close in forcing beds. The flesh is white and brittle with a mildly pungent flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 75c; 5 lbs., \$3.25, postpaid.

LONG SCARLET SHORT TOP

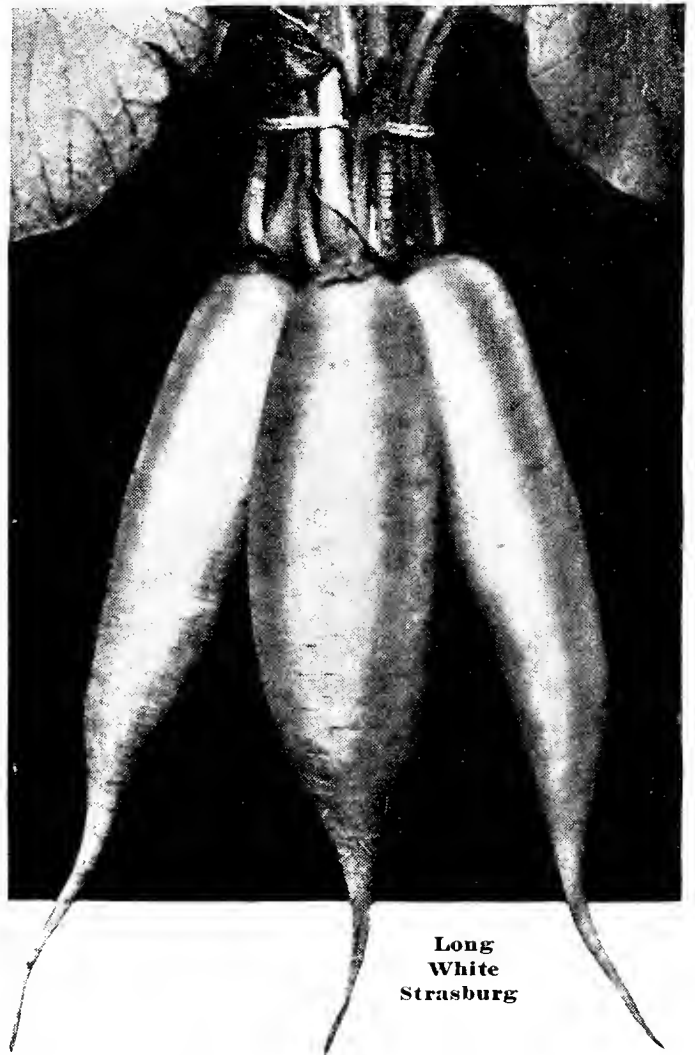
25 days. An old standard early market and home garden type. The smooth, straight, bright scarlet roots become about 6 inches long, ½ of which grows above ground. The flesh is white, juicy, mild, and brittle, remaining in perfect condition for several days. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 45c; lb., 75c; 5 lbs., \$3.25, postpaid.

Shumway's
Market or
Chartier

See
Pages 2-3
for Quantity
Prices—
Not Prepaid

**GARDEN
SUGGESTION**

Sow Radish seed in the row with Carrot. Radish will break the row for Carrot and mature long before Carrots have started to bulb.

Long
White
Strasburg**LONG WHITE STRASBURG**

An excellent summer variety, 8 in. long. The flesh of this variety is snow-white, tender and not sharp. Grows quickly and crisp. Ready for the market at any stage of growth. Pkt., 7c; oz., 15c; ¼ lb., 30c; ½ lb., 45c; lb., 85c; 5 lbs., \$3.75, postpaid.

GIANT WHITE STUTTGART

Another summer variety, round in shape. Very slow to become pithy as it is able to withstand the heat. Recommended for market as well as home garden. Pkt., 7c; oz., 15c; ¼ lb., 30c; ½ lb., 45c; lb., 85c; 5 lbs., \$3.75, postpaid.

RADISH—Continued

WINTER VARIETIES

Not to be sown until June 15th or after

JAPANESE WINTER

A stump root variety that grows to considerable size. Very solid ivory white in color. When stored in sand will keep well into the winter. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c.

MANMOTH WHITE

Sometimes called California Mammoth Winter. This grows to an enormous size, often over a foot long. It is pure white, solid and brittle. Can be sown in July. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c.

CHINA ROSE

A bright rose color winter variety. Sow the seed the latter part of June to the last of July. Roots may be stored away for the winter use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c.

MANMOTH WHITE CHINESE STUMP ROOT

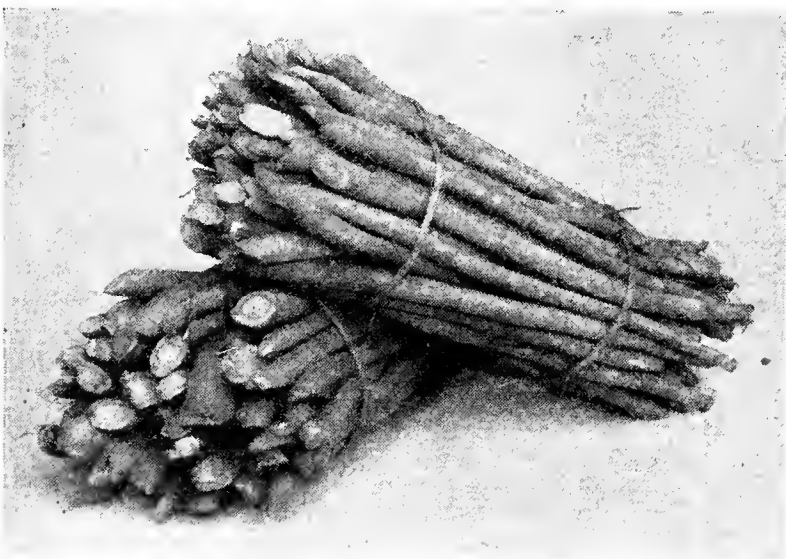
This valuable variety can be used at all seasons of the year and be kept the same as the winter variety. This has all the desirable qualities that can be expected of a radish. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c.

LONG BLACK SPANISH

This variety is a dark purple in color, almost black. This sort keeps exceptionally well when stored for winter use. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c.

GARDEN SUGGESTION

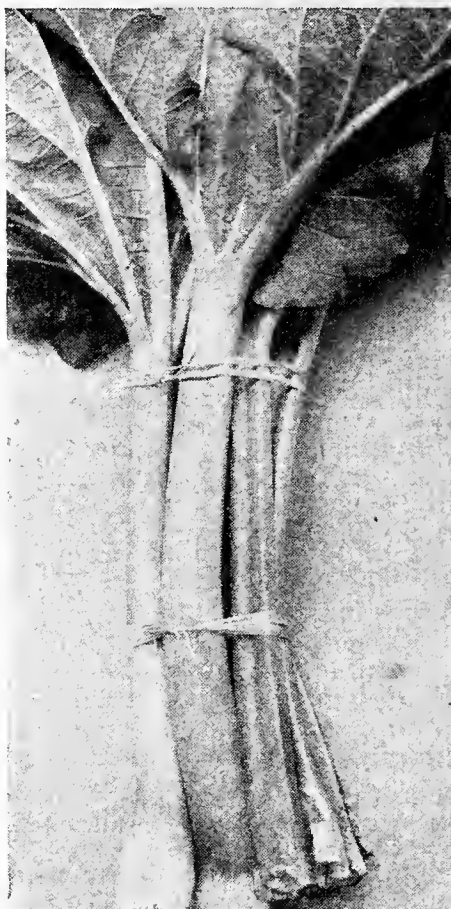
Sow Early Radish seed in the row with Carrot. Radish will break the row for Carrot and mature long before Carrots have started to bulb.

HORSE RADISH

CULTURE: The mature roots are used to make into a relish. Many people cook the tops for greens, preferring their pungent flavor to the mild taste of spinach. Plant in a deep, well fertilized soil, placing the rootlet at an angle of about 60 degrees, with the larger end up and about one inch under the surface. Plant any time after ground is workable up to the middle of May.

NEW BOHEMIAN or MALINER KREN

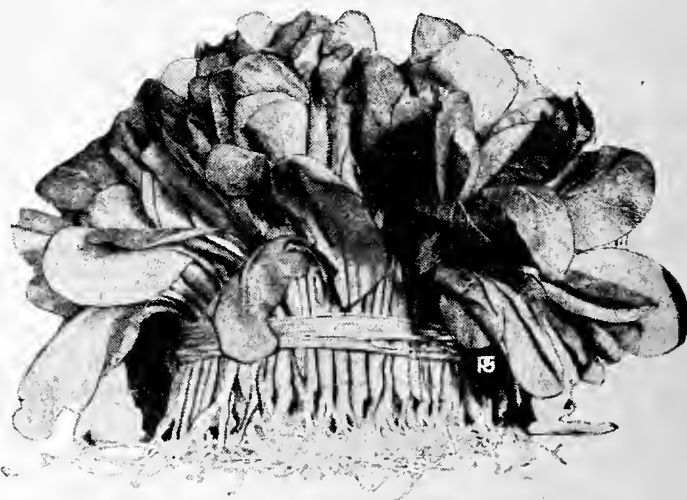
An improved variety, recently introduced. Produces vigorous plants and very large, heavy roots of excellent quality. The accompanying illustration shows two of our sets of fifty rootlets, 10 inches long and about $\frac{1}{2}$ inch in diameter. Just the right size to produce the best developed roots and plants. Doz., 20c; 50, 75c; 100, \$1.25; 1,000, \$9.00; 5,000 @ \$8.50 per 1,000, postpaid.

RHUBARB or PIE PLANT

CULTURE: Rhubarb is very easily grown and a few plants will keep a family supplied with plenty of this delicious vegetable for sauces and pies, etc. Sow seed in April, one inch deep, in rows one foot apart, thinning out the plants to 6 inches apart. Early in the fall or the next spring transplant to a permanent location, setting the plants 3 feet apart. Ready for use the second year. The more manure the better stalks.

VICTORIA

1 ounce for 125 feet of drill. The finest and most popular early sort for the home garden and trucker. Very large, thick stalks, bright crimson in color and of remarkably tender quality. Heavy yielder. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 75c; lb., \$1.40, postpaid.

TENDERGREEN

Also known as Japanese Mustard-Spinach

A new, delicious, and healthful vegetable "greens" that is practically an all-season plant. It grows very quickly and is resistant to drought and extreme cold, flourishing in hot weather. The leaves are large, dark green, and oblong shaped, with a small rib. Ready to cut 25 to 30 days from seed. It is not "a cut and come again." Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 85c, postpaid.

The SCHOOL BOY'S VEGETABLE COLLECTION**50c** POSTPAID

Ten packets of vegetable seed containing Peas, Beans, Beets, Lettuce, Radish, Spinach, Swiss Chard, Onion, Parsley and Turnip.

A REAL VALUE. NO CHANGES ALLOWED.

See pages 94, 95, 96, 97 and 98 for Insecticides, Garden Supplies and Books on Gardening.

SPINACH

CULTURE: This excellent vegetable used for greens does the best in cool moist weather, therefore the seed should be sown as early as possible in the spring, planting 1 inch deep in rows about a foot apart, thinning out as growth continues so they stand 4 to 5 inches apart in the rows. When warm weather comes on it will bolt to seed quite quickly.

Long Standing Bloomsdale Savoy, King of Denmark, and Princess Juliana are the slowest to seed of any. New Zealand is the variety from which the tender shoots are picked off and a small patch provides greens all summer long. It is well to start a planting of Spinach the last of August and this planting will afford delightful vegetables again in the fall.

Scientific research has proven spinach to be very beneficial as it possesses a high vitamin content. The medical profession advises its use in the feeding of babies according to their directions.

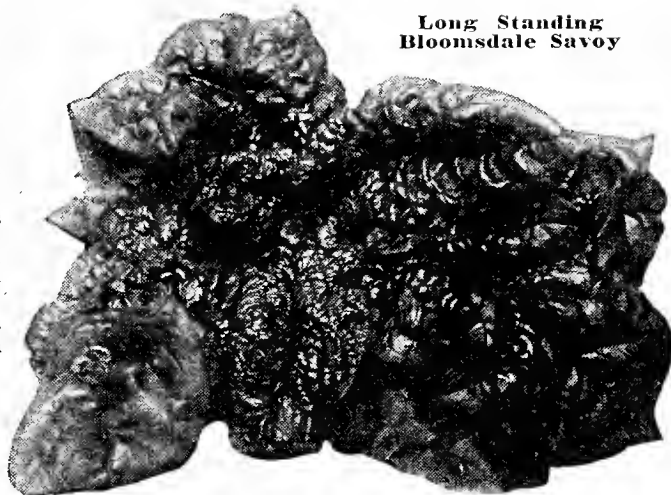
KING OF DENMARK or ANTORSKOV

Ready to cut in 43 to 45 days. Without exception the longest standing spinach grown, extremely slow to bolt to seed even in hot weather. The plants are hardy, vigorous, and quick growing; in habit rather low and spreading. The thick leaves are very large and long, tapering to a rounded tip; not very much crumpled except when young; dark dull green in color. They are of fine quality, tender and juicy. A superb sort for home or market garden. Good also for canning. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50, postpaid.



King of Denmark or Antvorskov

Long Standing Bloomsdale Savoy



LONG STANDING BLOOMSDALE SAVOY

Ready to cut in 45 days. A remarkably long standing variety. Heavy cuttings can sometimes be made from one crop for almost a month. The plant is upright and compact; hardy, vigorous, and quick growing. The leaves are medium large, broad, rounded; very thick and fleshy; rich, dark, glossy green in color; densely savoyed and crumpled. Tender and delicious for the table. A fine early type for the home and market garden. Stands heat well. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50, postpaid.

PRINCESS JULIANA

Ready to cut in 50 days. A mid-season, uniform, distinctly long standing variety for home and market garden. The plants are small and a large number can be grown on a given area. The small leaves are a broad oval shape, considerably blistered and crumpled; very dark, shiny and bluish-green. They are of fine quality, thick, tender and juicy. Desirable for planting after the earliest types for a succession. A good shipper. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50, postpaid.

NOBEL or LARGE ROUND THICK LEAVED

Ready in 40 to 43 days. An extra early, smooth-leaved variety, remarkable for the enormous size of its leaves. The plant is very large and vigorous, the outer leaves spreading, the inner leaves fairly upright. The leaves are broad and of arrow-head shape, rounded at the tip. They are bright (almost yellowish) green, thick, firm, and only slightly crumpled; very tender, juicy, and of good quality. Highly desirable for home and market garden. A good canning variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50, postpaid.



Nobel or Large Round Thick Leaved

LONG STANDING or LONG SEASON

Ready to cut in 47 days. A fine second early variety, which remains in table condition a long time before going to seed. Very hardy, dependable, and easy to grow. One of the best types to plant at intervals for a continuous supply. The plants are compact, bearing an abundance of medium-large, rounded, thick, meaty, dark green leaves, thoroughly savoyed and crumpled. Pkt., 5c; oz., 8c; ¼ lb., 15c; ½ lb., 25c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.25, postpaid.



Monstrous Viroflay

MONSTROUS VIROFLAY

47 days. A quick growing variety used extensively by the gardeners in the South. A profuse yielder of large leaves. A desirable variety for either spring or fall planting. Pkt., 5c; oz., 8c; ¼ lb., 17c; ½ lb., 27c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.50, postpaid.

VICTORIA or PERFECTION

Ready in about 46 days. An extremely hardy sort. Although ready to eat fairly early, it attains full growth somewhat slowly, and stands longer than most others. The plants are low, short-stemmed, and compact, forming dense flat rosettes. The leaves are very dark green, almost bluish; broad, with blunt points, moderately crumpled and of good quality. Stands heat well. Excellent for either home or market garden. Pkt., 5c; oz., 8c; ¼ lb., 15c; ½ lb., 25c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.25, postpaid.

NOTICE: If you are in the market for large quantities of spinach seed, 25 lbs. or over, write for special quotations.

SPINACH—Continued**PRICKLY SEEDED**

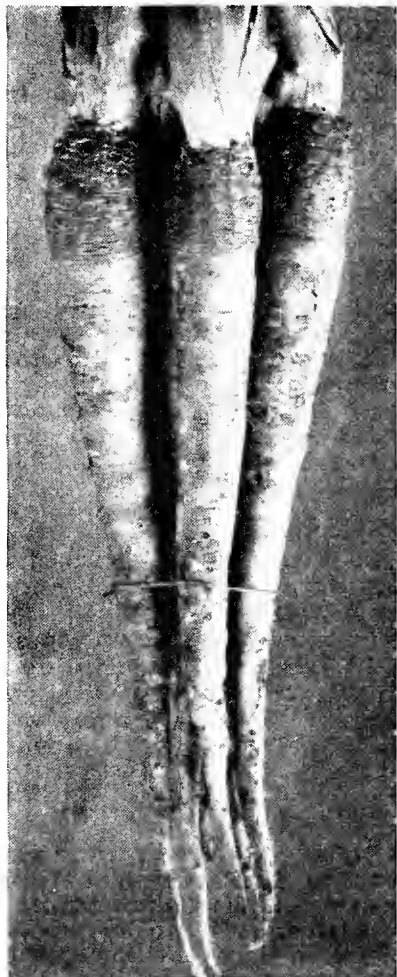
(Also known as Winter Spinach)

Ready to cut in 40 to 45 days. A smooth leaved, prickly seeded, early spinach, best known as a winter sort. The plants are extremely hardy, and of vigorous, rapid growth. The bright, medium light green leaves are numerous, large and broad; thick and firm in texture. In localities where the winters are mild this variety is extensively used for fall sowing, to be wintered over and cut very early in the spring. May also be planted late in summer for fall use. A fine sort for canning. Pkt., 5c; oz., 8c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 25c; lb., 45c; 5 lbs., \$1.85; 10 lbs., \$3.25, postpaid.

NEW ZEALAND

(Tetragonia Expansa)

Although not actually a spinach, this vegetable produces greens of a similar nature. Its particular merit is its ability to resist heat and yield continuously through a hot, dry summer right up to the first frost. The bushy plants produce a profuse growth of small, rich green, fleshy leaves and tender, brittle stalks, delicious when cooked. New shoots are sent out after each cutting. Sow about the first of May, in rows $2\frac{1}{2}$ to 3 feet apart, and thin out to at least one foot in the row. Seed should be soaked in hot water for several hours before sowing. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., 90c, postpaid.



Salsify or Vegetable Oyster

CULTURE: A very appetizing and nutritious vegetable especially esteemed for its peculiar oyster flavor. May be boiled and used like carrots, or after having been boiled, may be made into cakes and fried like oysters. Sow them early in the spring, giving the same general culture as for Parsnips. Do not use fresh manure on them as it makes the roots misshapen and branched. The roots will be ready in October, when a supply should be taken up for winter use and stored like Carrots. Those remaining should be dug early in spring when their flavor will be richer than ever.

MAMMOTH SANDWICH ISLAND

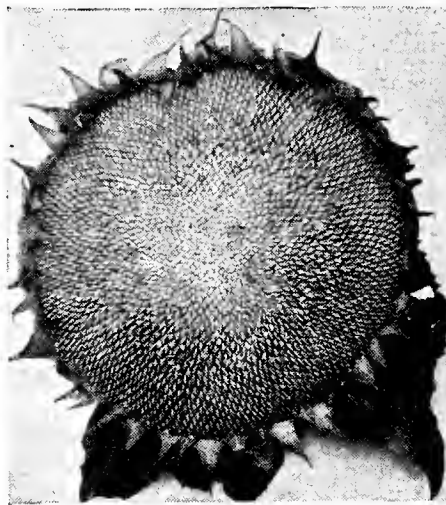
Most popular Salsify in cultivation. Roots are 8 inches long and tapering, with a white, smooth skin, and without tendency to branch. Very strong growing and productive. Tender, mild, and delicately flavored. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.10; lb., \$2.00, postpaid.

LONG WHITE SALSIFY

This is an old standard pure white strain and a favorite market variety because of its very fine flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 55c; $\frac{1}{2}$ lb., \$1.00; lb., \$1.85, postpaid.

GARDEN SUGGESTION

When Spinach is through, fertilize space and plant Bush Lima Beans or second planting of Snap Beans.

Mammoth Russian Sunflower

Seed Head of Sunflower

A valuable plant with many uses. The heads often reach a diameter of 14 to 20 inches, tightly packed with seeds. The seeds, rich in oil content, make a fine food for poultry, especially during the molting season. The stalks make excellent kindling, and the heads used as fuel produce an extremely hot fire. Hence very useful where wood is scarce. Can be grown to great advantage as a silage crop, outyielding ensilage corn substantially. Grows to huge size if sown in rich ground, such as old hog yard. A reliable crop, however, even in poor soil. Has been known to yield 1,000 pounds of seed to the acre. $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 15c; lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85, postpaid.

See page 3 for not prepaid quantity prices.

BOOKS on Vegetable Culture and Marketing**"PRACTICAL VEGETABLE CULTURE"**

By ALBERT E. WILKINSON



In the United States there are approximately 10,000,000 home gardeners; over 100,000 students are enrolled in vocational schools or in high schools, studying vocational subjects; somewhere between 500,000 and 1,000,000 boys and girls are enrolled in 4-H club work. There are thousands and thousands of amateurs—inexperienced men and women—who are trying to obtain a livelihood from vegetable and small fruit production. It is the aim of this book to help all of these. In its 308 pages all phases of vegetable culture are covered from sowing the seed to reaping the harvest; there are innumerable garden plans of all kinds and of all sizes; greenhouses, hotbeds, cold-frames, home vegetable storage, control of pests and diseases, etc., are discussed in detail. 308 pages, profusely illustrated, bound in cloth, postpaid \$2.15.

"WAYSIDE MARKETING"

By SCHUYLER ARNOLD

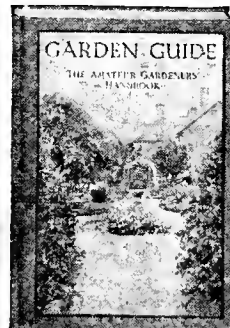
Every angle of the situation is covered—location, the building of the stand, with details of measurement, the stock to be offered (flowers, fruits and vegetables) and how to grow it, etc. An exclusive feature of the book consists of the many line cuts made from hand drawings of practical booths, ranging from simple stands to the more elaborate affairs—all of which can be worked out by the average person. Added to this are numerous illustrations of actual stands which have been photographed on the roadside as also pictorial representations of those annual and perennial flowers in greatest demand and of which an attractive showing can be made.

132 pages, bound in cloth, and encased in an attractive jacket, postpaid, \$1.65.

**GARDEN GUIDE**

The Amateur Gardener's Handbook

4th edition, 384 pages, over 275 illustrations



CONTENTS: Planning the Home Grounds; Lawns and Grass Plots; Hedges and Fences; Trees and Shrubs; The Rose Garden; Hardy Perennials for the Permanent Garden; Annuals and Biennials; Some Garden Favorites and How to Grow Them; Bulbs and Tuberos-rooted Plants; Hardy Garden Ferns and Water Plants; The Rock Garden; Garden Furniture; Window Boxes and Porch Plants; The Vegetable Garden; Fruit for the Small Garden; Bungalow or Midsummer Garden; Fertilizers; Pruning; Plant Propagation; Transplanting; Winter Protection; Some Common Diseases of Plants and Their Control; Lawn and Garden Weeds; Greenhouses, Hotbeds and Frames; Garden Tools; Calendar of Garden Operations; Animal Life in the Garden; Birds in the Garden; Fruits and Vegetables for Winter; Topics, Miscellaneous.

PRICE, cloth cover, \$1.65, postpaid.

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SQUASH

Squash deserves a greater popularity. It is now known to be rich in essential vitamins particularly valuable in building up the health of children and protecting them against rickets.

CULTURE: 1 oz. of seed for 20 to 25 hills and 3 to 5 lbs. to the acre. Plant about the same time as corn. Since squash is a heavy feeder, the hills should be richly manured. Space hills 4 to 5 feet each way for the summer sorts and 10 to 12 feet for the winter varieties. Sow 10 to 12 seeds to the hill and thin out after plants are strong enough to resist insect attack. Use Slug Shot or Kalite to kill the squash beetle and yellow striped beetle. Ask for spray chart when ordering.

Chicago
Warted
Hubbard



FALL and WINTER VARIETIES



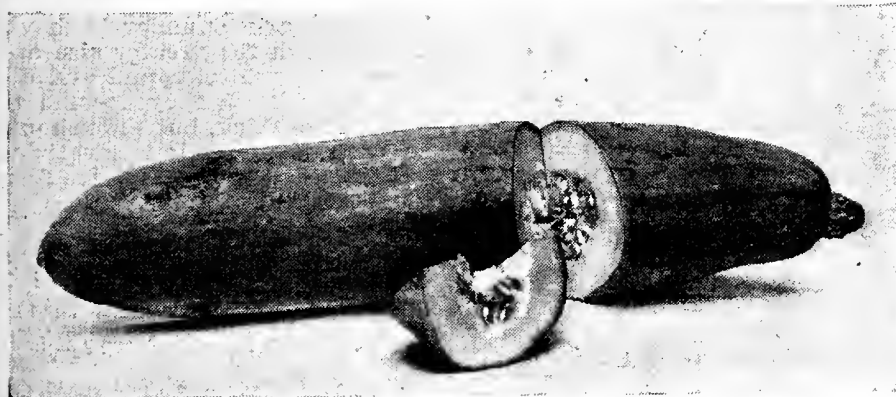
Blue
Hubbard

BLUE HUBBARD

120 days. A strain developed in the New England states, quality excellent. Very attractive in appearance on account of the color, which is blue. This Hubbard also is a good keeper. Size, 9x12 inches. Average weight, 12 lbs. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75; 5 lbs., \$7.25, postpaid.

DES MOINES or TABLE QUEEN

Sometimes called Acorn. Edible in 55 days. Matures in 100 days. This extremely popular squash is intermediate in type between the summer and winter varieties and combines the advantages of both classes. Like the summer varieties it can be eaten when young, and like the winter types it is delicious after ripening and storage. The fruits are very dark green, small, acorn shaped, and well ribbed. When ripe they become bright golden. The flesh is rich yellow, thick, dry and very sweet. Makes a delightful dish when halved, baked and buttered, a half being just the right size for one person. The trailing vines are very productive. Size 6 by 4 inches. Weight 1½ to 2 pounds. Pkt., 10c; oz., 17c; ¼ lb., 50c; ½ lb., 85c; lb., \$1.50; 5 lbs., \$6.50, postpaid.



Shumway's Mexican Banana Squash

CHICAGO WARTED HUBBARD

120 days. Slightly larger and much more heavily warted than Improved Hubbard, from which it was bred. The fruits are an attractive bronze green and well shaped. The flesh is golden yellow, fine grained, dry and rich flavored. The vines are vigorous and productive. Very hard shelled, and an excellent keeper. Highly recommended. Size 14 by 9 inches. Weight 15 pounds. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75; 5 lbs., \$7.25, postpaid.

TRUE HUBBARD

120 days. The most popular of the winter varieties. They are pointed at both ends, moderately warted. The rind is deep green in color. The orange flesh is dry, thick, and sweet. Average weight about 12 lbs. Size 9x12 inches. Pkt., 10c; oz., 20c; ¼ lb., 50c; ½ lb., 90c; lb., \$1.75; 5 lbs., \$7.25, postpaid.

GOLDEN HUBBARD

110 days. A little smaller than the Improved Hubbard. Rind is a golden yellow and warted. This is the earliest of the Hubbard strain, and more prolific. This sort is a favorite with the canners and is an excellent winter squash. Fruits average about 8 lbs. Size 8x11 inches. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.



Des Moines or Table Queen

SHUMWAY'S MEXICAN BANANA

120 days. Originally introduced from Mexico by R. H. Shumway. A winter squash of first quality. Shape long and cylindrical, color grayish blue. The golden yellow flesh is thick, fine grained, dry, very sweet and delicious. Easy to prepare. A good keeper. Length 18 to 24 by 7 inches. Weight 8 to 12 pounds. Pkt., 10c; oz., 18c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.

ORANGE MARROW

100 days. The fruit of this variety is orange red in color, similar in shape to the Hubbards. It is early, extremely prolific, flesh rich, sweet, and dry. Fruit weighs about 7 lbs. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c; 5 lbs., \$4.00, postpaid.

SQUASH—Fall and Winter Varieties—Continued

MAMMOTH CHILI

120 days. The largest squash grown, often attaining a weight of 150 pounds and with heavy fertilization has been known to reach 250 lbs. The fruits are long and slightly pointed at the blossom end. The skin is a rich orange yellow, somewhat mottled. The yellow flesh is very thick and of good quality. Of great value as a stock feed. Popular for exhibition purposes. Size 20 by 16 inches and up. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; lb., \$1.75; 5 lbs., \$7.25, postpaid.



DELICIOUS

103 days. The earliest winter squash, excelling all others in quality. The fruits are heart-shaped, medium sized, smooth, dark green, sometimes with light green stripes at the blossom end. Keeps well, for the shell is hard, though thin. The bright yellow flesh is superbly sweet, rich flavored, fine grained, dry and thick. An ideal home garden type. Size 12 by 8 inches. Average weight 8 pounds. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 90c; lb., \$1.75; 5 lbs., \$7.25, postpaid.

SUMMER VARIETIES

ZUCCHINI (ITALIAN MARROW)

A distinct summer variety of Italian origin which is becoming increasingly popular in this country. In about 65 days, at a size of 6 or 8 inches, it reaches its best table condition. The fruits are long and slim, colored light green with gray mottling. The flesh is pale green, thick and tender, with a mild pleasant flavor. The whole fruit is edible; may be prepared like other squash or fried like egg plant. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.25, postpaid.



Cocozelle

COCOZELLE

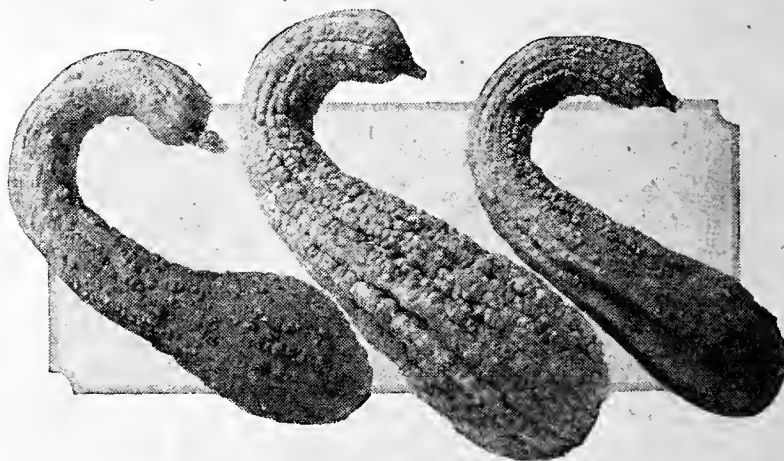
Also called Italian Marrow. Edible in 60 days. A most delicious summer variety of the bush type. It should be eaten when about 6 to 8 inches long, although it becomes much larger if allowed to mature. The flesh when young is pale green, thick, firm, tender, with a rich aromatic flavor. The fruits are long and cylindrical, tapering slightly toward the stem end. They are smooth and dark green, but become striped with gold when ripe. Pkt., 7c; oz., 15c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 70c; lb., \$1.30; 5 lbs., \$5.65, postpaid.

GIANT SUMMER CROOKNECK

Edible in 55 days. A choice summer variety, approaching winter squash in quality. The uniform, curve-necked fruits become very large if permitted to ripen, sometimes almost 2 feet long and 4 $\frac{1}{2}$ inches thick. The deep golden yellow skin is finely warted. The flesh is salmon yellow and has a delicious buttery flavor. The vines are bushy and compact, yielding well. A fine market and home garden type. Pkt., 5c; oz., 12c; $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 65c; lb., \$1.25; 5 lbs., \$5.50, postpaid.

GIANT SUMMER STRAIGHTNECK

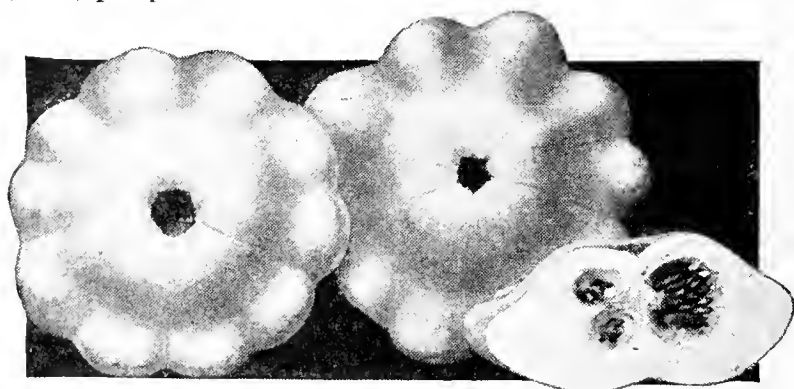
Edible in 55 days. A selection from Giant Summer Crookneck retaining all the fine qualities of the latter, and in addition, possessing a straight thick neck. This makes it easier to prepare for cooking, gives it a little more edible flesh, and is a great advantage in packing for shipment. The Straightneck is very desirable as a shipping squash. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; $\frac{1}{2}$ lb., 80c; lb., \$1.50; 5 lbs., \$6.50, postpaid.



Giant Summer Crookneck

MAMMOTH WHITE BUSH SCALLOP

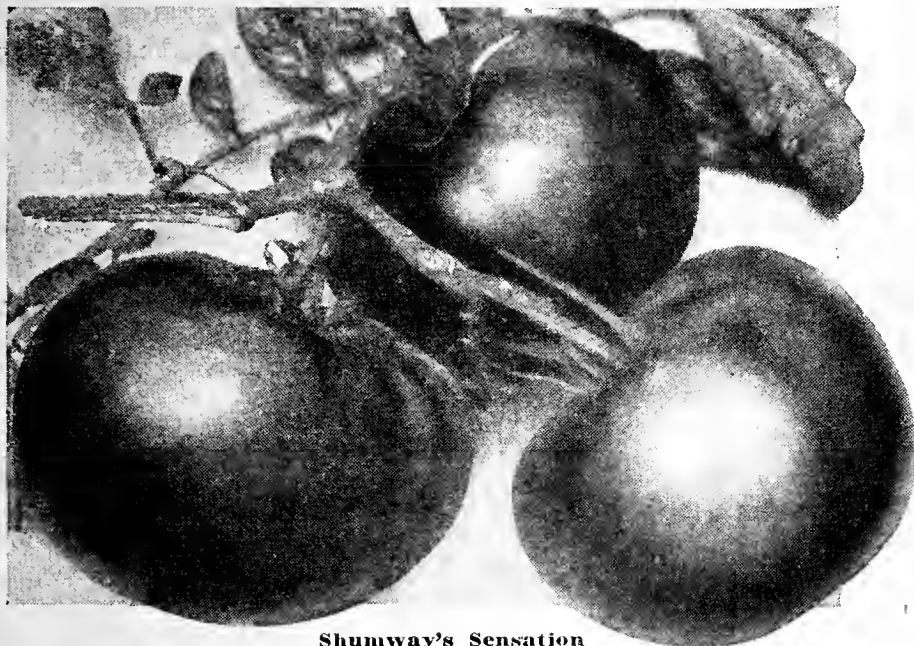
Edible in 60 days. A desirable early summer bush variety, bred up from Early White Bush for greater size and productiveness. The fruits are waxy white, round and flat with scalloped edges. If allowed to ripen they become 12 to 15 inches in diameter and 3 inches thick, but they should be eaten when young. The flesh is of tender, appetizing quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., 95c; 5 lbs., \$4.35, postpaid.



Mammoth White Bush Scallop

GOLDEN CUSTARD

55 days. This strain is similar in all respects to the Mammoth White Bush Scallop, except for its color. This sort, golden yellow. Very prolific. Size 14x4. Average weight 5 lbs. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; lb., 95c; 5 lbs., \$4.35, postpaid.



Shumway's Sensation

SHUMWAY'S SENSATION

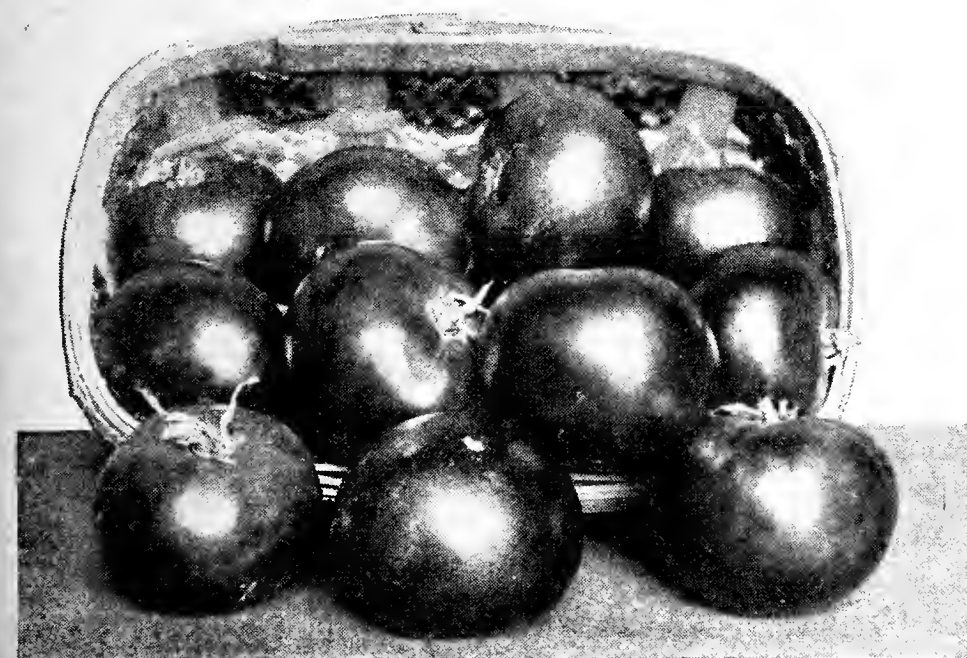
80 days from transplanting. An introduction in the main crop division of the tomato family of real merit. This variety has shown under trials strong resistance to wilt. The large fruits are smooth and scarlet in color, shy seeders, setting five to seven in a cluster. The vines are open in growth which allows uniformity in ripening. An excellent tomato for salads and canning as well as one for tomato juice of remarkable sparkling flavor. Pkt., 15c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; 1 oz., \$1.75, postpaid.

MARGLOBE

75 days. Recently introduced by the Department of Agriculture, this new type has rapidly achieved great popularity. Its prime characteristic is its ability to resist Nail-head Rust and Fusarium Wilt, and it is especially recommended for sections where these diseases are common or where there is danger of long periods of wet weather. In addition it is an admirable general purpose tomato. The fruits are bright scarlet, smooth skinned, deep globe shape, solid, heavy, meaty, with little core. Excellent table quality. The plants are strong and erect, and they bear well over a long period. In heavy demand for market gardening, canning, and shipping. The uniform fruits pack well. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.10; lb., \$4.00, postpaid.

JOHN BAER

71 days from transplanting. A fine type, popular with market gardeners for its earliness, quality and handsome appearance. Only a little later than Earliana, but superior in productiveness, uniformity, and attractiveness. The fruits are smooth, glossy scarlet, of good size for such an early sort, and nearly round. They are solid, with remarkably few seeds, and have a delicious mild flavor. The vines produce abundantly in clusters of 4 to 6, and the bearing season is longer than most early varieties. The fruits ripen evenly and will not burst when dead ripe. Very desirable for canning in northern states. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.60; lb., \$3.00, postpaid.

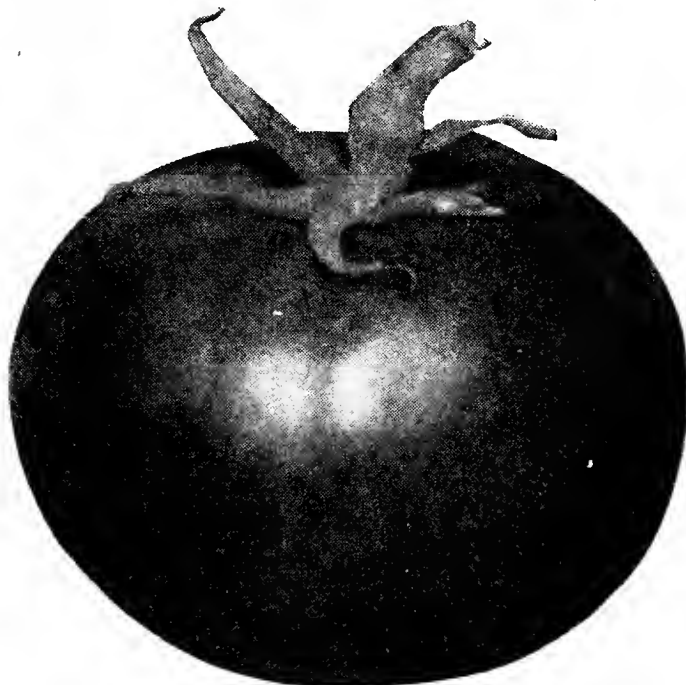


John Baer

TOMATO

No home gardener should fail to grow tomatoes. They produce abundantly over a longer season than any other vegetable. They may be used in a great variety of attractive ways, and no food has greater health value.

CULTURE: Sow in hot bed during March or April, depending on the climate, allowing 6 to 8 weeks before transplanting to open ground. For best results plants may be "pricked out" into flats when about one inch tall. Transplanting to open ground should take place when soil is warm and danger of frost is past. Set 3 to 4 feet apart each way in well fertilized soil. Protect plants from sun the first day and water well. The vines will ripen sooner and are less liable to rot if trained on stakes or trellises. Use Slugshot or Kalite for protection against the tomato worm. Ask for spray chart when ordering.

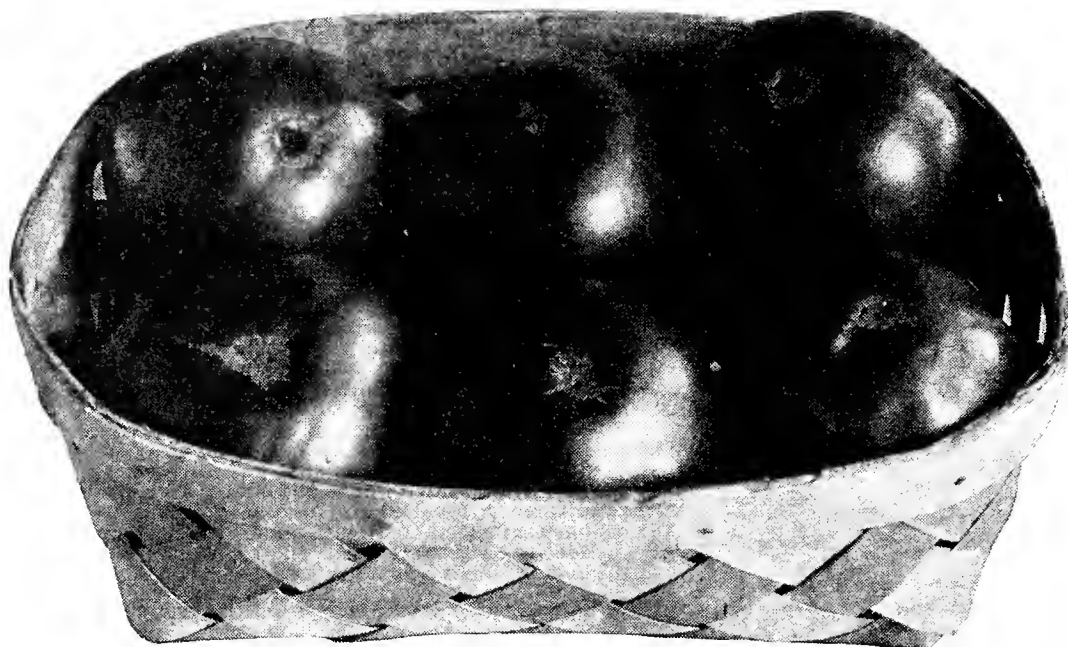


Marglobe

BREAK O'DAY

About 70 days from transplanting. A very recent introduction by the Department of Agriculture, combining earliness with the most valuable qualities of later types. Although substantially earlier than Marglobe, from which it was developed, it closely resembles that variety in most other respects. It has the same bright scarlet, smooth, deep globe-shaped, solid fruits. If anything, its fruits are a little lighter scarlet and a little more thick fleshed and solid. The vines grow vigorously and produce heavily. Strongly resistant to wilt and rust. Excellent for shipping on account of its solidity and freedom from cracks. Rapidly gaining in popularity with market growers. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; $\frac{1}{2}$ lb., \$2.85; lb., \$5.50, postpaid.

**See Pages 2-3 for Quantity
Prices—Not Prepaid**



Giant Ponderosa

GIANT PONDEROSA

85 days from transplanting. A main crop tomato, largest of the pink fruited types. Our strain produces an abundance of purplish pink fruits, 3 to 5 to the cluster, that are very meaty and fairly smooth skinned. The cell walls are thick and tender, the seeds are few, and the flavor is delightfully sweet and mild. The fruits are somewhat flattened in shape, and very firm and heavy, weighing 9 to 12 ounces, and specimens will reach one pound if vines are pruned to a single stem. The vines are of vigorous growth and bear continuously until frost. An excellent slicing variety, especially recommended for the home garden. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50, postpaid.

GOLDEN YELLOW PONDEROSA

(See inside front cover page)

85 days from transplanting. A selection from

Giant Ponderosa which retains all the splendid qualities of the parent but instead of purplish pink is a rich golden yellow in color. A novel type making a distinctive and appetizing dish when sliced in a salad with the pink strain. It is just as large as Giant Ponderosa, just as meaty and solid, and it has the same delightful mild flavor. Runs remarkably true to type with few reappearances of the original pink skin. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.85; lb., \$5.50, postpaid.

OXHEART TOMATO

(See Color Plate)

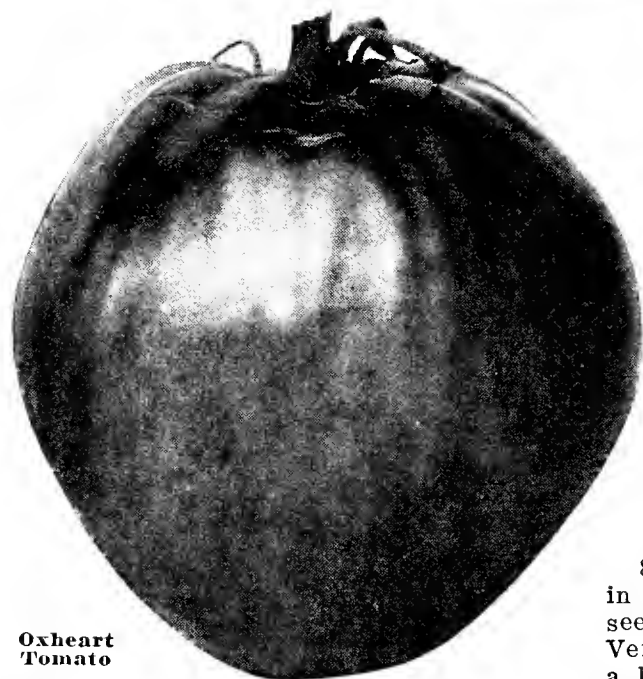
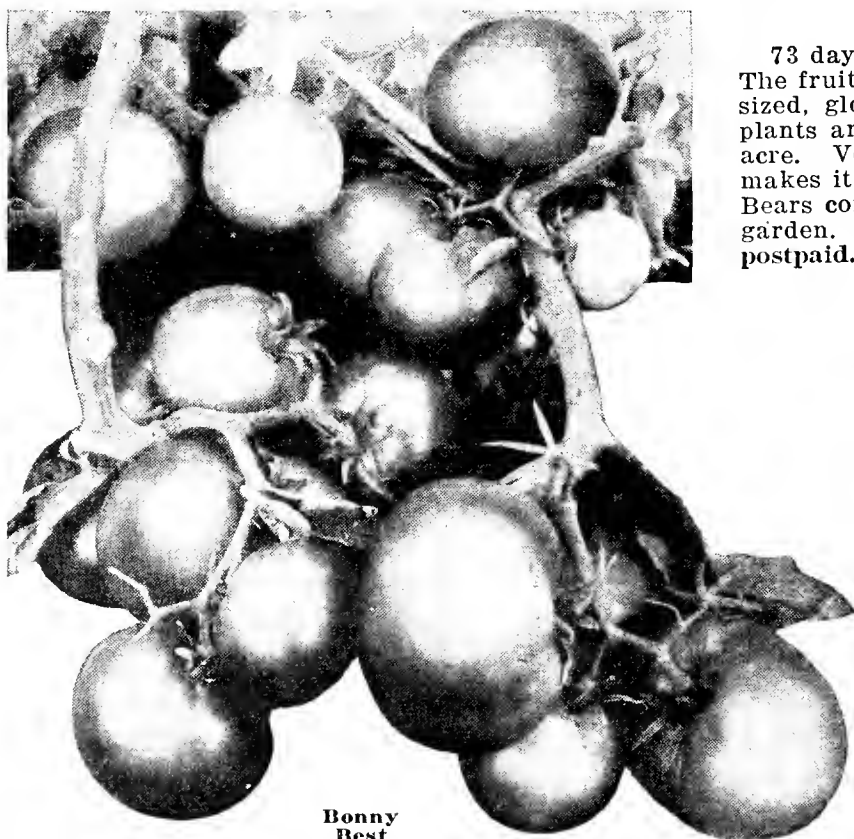
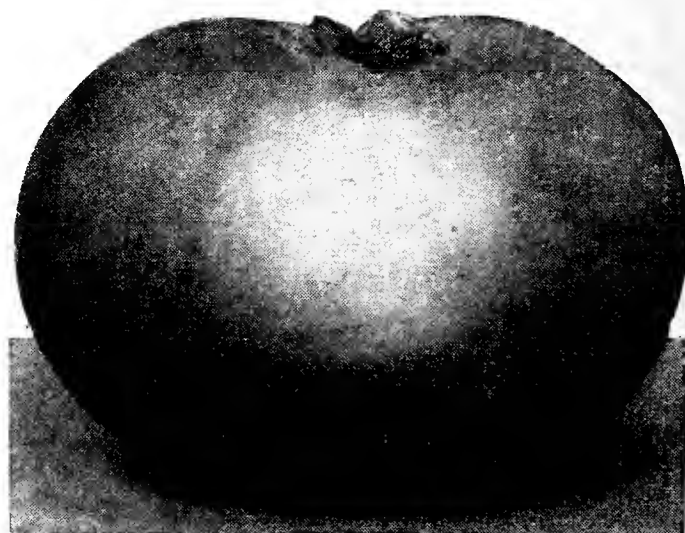
Grow Some BIG Tomatoes. Outdo Your Neighbors. A very attractive, extremely large pink tomato. It is almost seedless and in many of the tomatoes the flesh is often 2 inches thick with almost no seed cavity. It is not uncommon to find specimens that weigh 3 lbs.; larger ones have been found. Because of its unusual shape, large size and its excellent flavor Oxheart is rapidly coming into favor. Outdo your neighbor in size of tomatoes, surprise him as well as yourself. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.25, postpaid.

SHUMWAY'S GARDEN KING

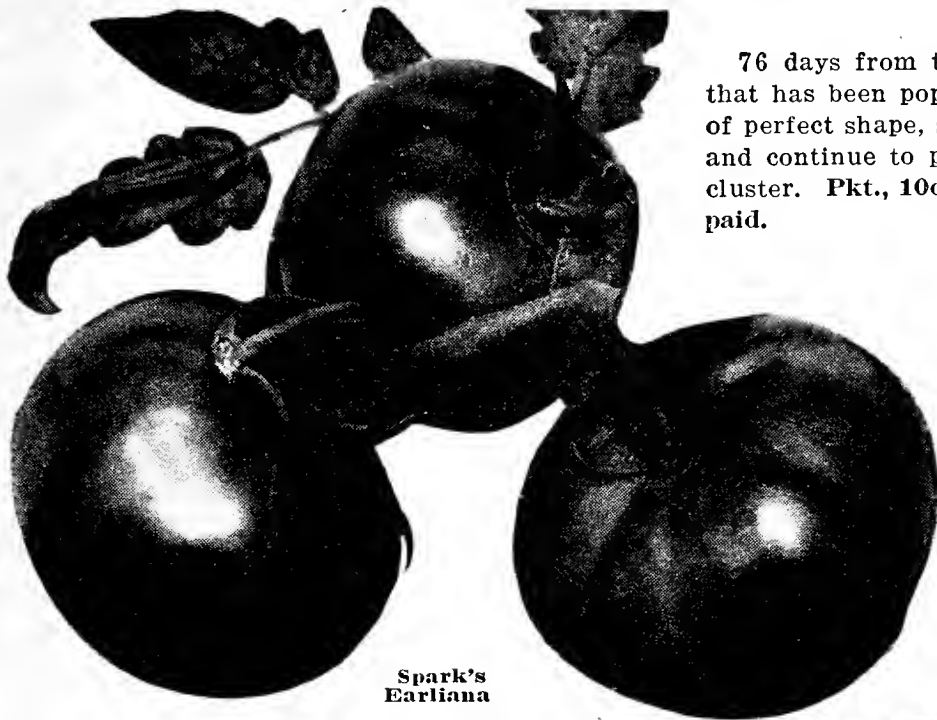
83 days from transplanting. The tomato of quality. The fruits, which are in clusters of 5 to 7, are very large and smooth, solid meat and very few seeds. Very productive, medium early, ripening in about 83 to 85 days. Very uniform in its ripening and remains in good condition on the vine for a long time. This tomato cannot be surpassed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; ½ lb., \$2.90; lb., \$5.50.

BONNY BEST

73 days. A second early, all purpose tomato of excellent quality. The fruits are a uniform vivid scarlet, smooth, medium large, even sized, globe shaped with slight flattening, solid and meaty. The plants are vigorous and productive, yielding 12 to 15 tons to the acre. Very popular for canning in northern sections. Its color makes it an especially choice variety for tomato relish and catsup. Bears continuously during a long season. Desirable for the home garden. Pkt., 5c; oz., 25c; ¼ lb., 80c; ½ lb., \$1.45; lb., \$2.75, postpaid.

Oxheart
TomatoBonny
Best

Shumway's Garden King



Spark's Earliana

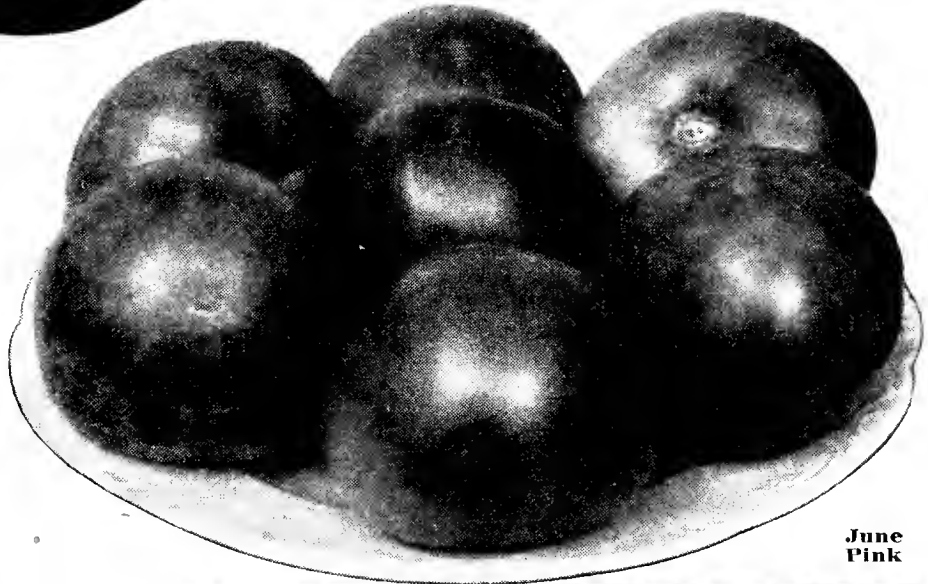
JUNE PINK

67 to 70 days from transplanting. A strain selected from Spark's Earliana and differing little from it except in color, which is purplish pink. It is not quite as early but it has a longer bearing season. The fruits are medium large, somewhat flattened, smooth, solid, with a pleasant, faintly acid flavor. Recommended for markets that favor pink fruited types, since it is the best early tomato in that class. Desirable for the home garden and for shipping. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.80; lb., \$3.50, postpaid.

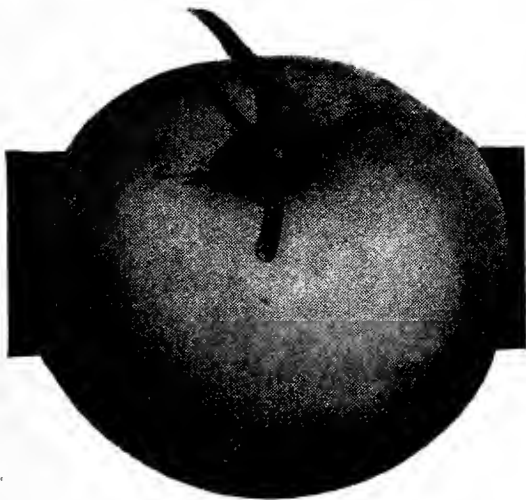
76 days from transplanting. A second early pink fruited variety that has been popular for many years. The purplish pink fruits are of perfect shape, smooth, solid, medium sized. The vines are prolific and continue to produce good sized fruits until frost. 4 or 5 to the cluster. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c; $\frac{1}{2}$ lb., \$1.60; lb., \$3.25, postpaid.

ACME**SPARK'S EARLIANA**

65 days from transplanting. An extra early scarlet variety, the best and most popular of all the early types. The vines are bushy and not large, but they are very prolific, setting fruits in clusters of 6 to 10 near the heart of the plant. The tomatoes are deep scarlet, somewhat flattened globe shape, about 3 by 2½ inches with delicious rich flavored flesh. They are uniform, solid, with few seeds; ideal for shipping, especially for the early market. A fine type for the home garden. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.



June Pink



Livingston's Beauty

GARDEN SUGGESTION

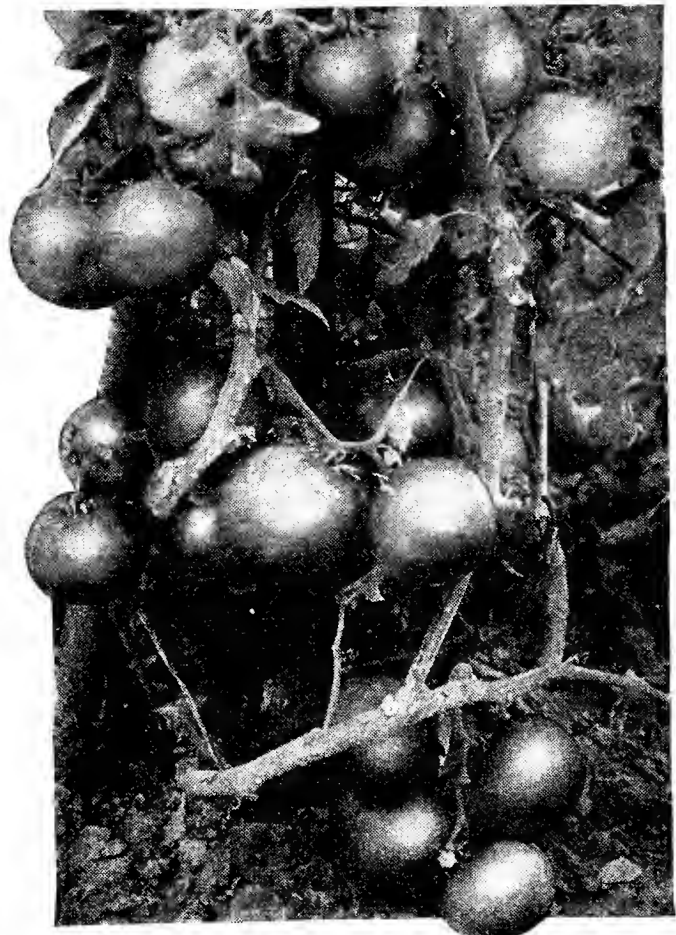
Set Tomatoes, Cabbage, Egg Plant or Pepper Plants about 2 to 3 ft. apart in the Lettuce or Radish rows. This aids in diversification where garden space is limited.

LIVINGSTON'S BEAUTY

81 days. A very popular large purplish pink variety adapted for home and market garden and for shipping. The large fruits are uniform in size, slightly flattened, handsome, and solid. The flesh is light pink and of good quality with few seeds. The skin is tough, and the fruits do not readily crack or rot after a rain. The vines are vigorous and prolific. Strongly wilt resistant. Extensively used by commercial growers, shippers and canners. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.

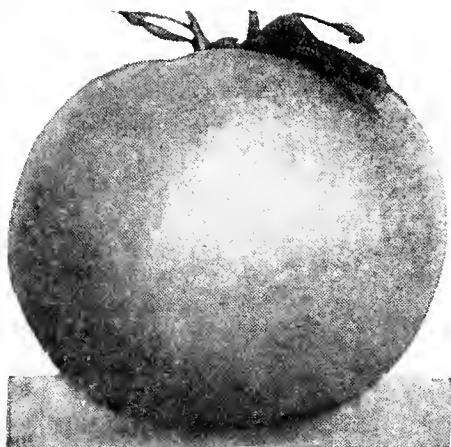
DWARF CHAMPION or BUSH TOMATO

75 days from transplanting. In this variety you have a compact, upright, early, smooth sort. The fruits are in clusters of 4 to 5 of medium size, smooth, symmetrical, purplish pink in color, with flesh very solid. The vine is strong and stiff, therefore requiring very little support. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.10; lb., \$3.90, postpaid.



Dwarf Champion or Bush Tomato

See Pages 2-3 for Quantity Prices—Not Prepaid



Dwarf Stone

CRIMSON CUSHION

85 days from transplanting. Another very large, bright scarlet tomato, carried in clusters of 4 to 6. It is a shy seeder with flesh that is very solid and meaty, making it a very desirable table variety. Where size plus quality is desired this variety cannot be surpassed. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.10; lb., \$3.90, postpaid.

PERFECTION

80 days from transplanting. An ideal tomato. It is smooth, large, solid and of excellent quality. Its beautiful dark red color makes it very attractive on the market. It ripens well up to the stem without cracking. Skin is tough. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.

GLOBE

75 days from transplanting. An excellent all round variety of distinct shape. This may be classed as a second early. The fruits are fairly large, smooth, and of firm flesh, few seeds, borne in clusters of 5 to 7. It is exceedingly productive and unequalled for a main crop variety. This is used extensively by the large tomato growers and truckers of the country. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.95; lb., \$3.75, postpaid.

MATCHLESS TOMATO

80 days from transplanting. A solid, smooth, beautiful red variety. Prolifically produced in clusters of 4 to 6 on strong vines. Good keeper, fine for market and home use. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.

IMPROVED STONE, SELECTED

85 days from transplanting. Bright red smooth main crop variety. Ripens evenly to the stem, no hard core. Excellent canning and market variety. This type is used extensively by the canning industry. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.25; lb., \$2.30, postpaid.

NORTON WILT RESISTANT

80 days from transplanting. This is a maincrop, scarlet fruited variety. It is similar to the Stone but selected for wilt resistance by the United States Dept. of Agriculture. The fruits are medium size, smooth and solid, borne in clusters of 6 to 8. It is a heavy bearing variety and yields an excellent crop. One of the best long distance shippers. If you are in a territory where tomatoes are affected by wilt this variety should be grown. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.10; lb., \$3.90, postpaid.

GOLDEN QUEEN

80 days. A variety bearing fruit of good size, smooth, solid, and meaty. Color is bright yellow, which makes it very attractive when served with the red fruited varieties. Without doubt the best medium sized yellow tomato grown. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; $\frac{1}{2}$ lb., \$2.10; 1 lb., \$4.00, postpaid.

DWARF STONE TOMATO

81 days from transplanting. A medium-large main crop tomato, largest of the dwarf types. The fruits are bright scarlet and smooth skinned, solid, juicy, and of fine quality and flavor. There are comparatively few seeds. The vines are dwarf but yield well, producing fruits in clusters of 4 or 5. A good sort for the small garden, since it is of compact growth and a large crop can be grown in a small space. Wilt resistant. Size 4 by 3 inches. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.20; $\frac{1}{2}$ lb., \$2.25; lb., \$4.25, postpaid.

CHALK'S EARLY JEWEL

80 days from transplanting. Two weeks later than Earliana, but a heavier cropper, producing tomatoes of larger size and sweeter flavor. Fruits are very solid, deep, ripening well up to the stem without cracking, forms in clusters of 5 to 7. The flesh is solid, thick, comparatively few seeds. A recommended variety. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.

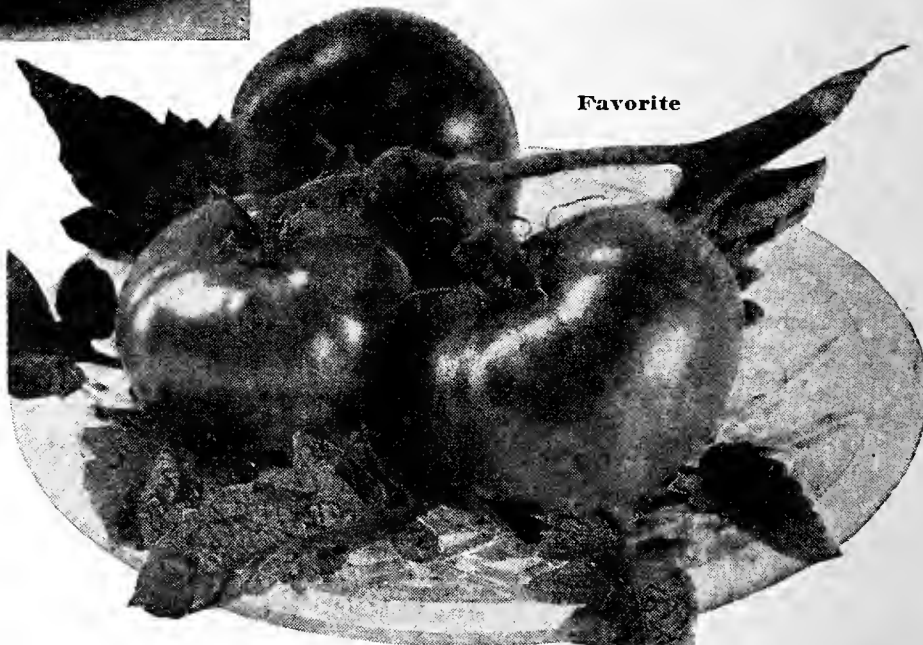
FAVORITE

75 days from transplanting. An early, smooth, firm tomato, deep red in color. This variety ships well, is splendid for canning, market and family use. Its beautiful dark red color makes it one that is readily sought out in the markets, therefore making it a profitable variety. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; $\frac{1}{2}$ lb., \$1.45; lb., \$2.75, postpaid.

See Pages 2-3 for Quantity Prices—
Not Prepaid

Chalk's Early Jewel

Favorite

**ALBINO or WHITE BEAUTY (New)**

80 days from transplanting. We are now able to offer a white tomato of good quality. Albino is practically free from acid which is welcomed by hundreds of people who heretofore have had to avoid tomatoes on account of the acidity. This variety is Ivory white in color with the flesh a pure white. Its size is about the same as Stone. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.25, postpaid.

PEAR SHAPED TOMATOES

Two strains, bright red and yellow, either of which is most attractive when prepared as preserves or pickles, or fresh in fancy salads. Very productive and easy to grow. Yellow Pear: Pkt., 10c; oz., 40c, postpaid. Red Pear: Pkt., 10c; oz., 40c, postpaid.

PEACH

Largely used in fancy salads and for preserving. It is very distinct, beautiful in appearance, uniform in size, deep rose in color. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25, postpaid.

HUSK TOMATO OR GROUND CHERRY

A valuable berry which is contained in a husk and is excellent for preserves and pies. When dried in sugar they make an excellent sweet fruit to put in cakes equal to figs, citron, raisins, etc. It is sometimes called Strawberry Tomato, Winter Cherry, Ground Cherry. They grow about a foot high and are covered with husks containing the little fruit. Golden Husk: Pkt., 5c; oz., 25c. Purple Husk: Pkt., 5c; oz., 25c.



Pear Shaped Tomato

TURNIP

CULTURE: In order to thrive turnips need a rich light soil and cool weather. Plant the early varieties as soon as possible in the spring, the main crop and late types in July or August. Sow about $\frac{1}{2}$ inch deep, either broadcast or, for best results, in drills 12 to 18 inches apart. Thin out to give plenty of room. The tops make palatable greens for table use considerably before the roots are ready. For winter stock feed there is nothing better than turnips. One ounce of seed will sow 125 feet of drill; 2 pounds to the acre. 3 pounds to the acre broadcast.

PURPLE TOP WHITE GLOBE

Table condition in 55 days. One of the finest turnips for table use, equally valuable for home garden, market garden, or shipping. The medium large roots are nearly round, smooth, purplish red at the top half, which grows above ground, and white beneath. The flesh is pure white, fine grained and tender, with a sweet rich flavor. For best table quality, serve when about 3 inches in diameter. A sure and heavy cropper. A good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

EARLY SNOWBALL or SIX WEEKS

Table condition in 45 days. A rapid growing turnip well adapted for planting very early in the spring, and unsurpassed in table quality. The roots are nearly round, smooth and white, the tops short. Makes very handsome bunches for the early market. The flesh is white, delightfully sweet, crisp, and tender, with a mild flavor free from any trace of bitterness. Highly recommended for the home and market garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

PURPLE TOP STRAP LEAF

Table condition in 45 days. A very widely cultivated, standard table variety, only a little less early than Extra Early Milan. Roots are white, crowned with reddish purple; medium-large, broad, flat. Flesh is of fine crisp texture, clear white, mild in flavor, sweet and tender. The tops are small, erect, compact, making close planting possible. When sown broadcast in a field, this variety yields a large supply of stock feed. Will also produce a crop when sown among corn. A fine fall and winter keeper. Matures in 60 days. Size 5 by $2\frac{1}{2}$ inches. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.



Purple Top White Globe

EXTRA EARLY MILAN

Table condition in 40 days. The earliest turnip grown. The roots are medium size, flattened, smooth, white; the tops small, strap-leaved. Rows can be planted close together. Flesh is white, fine grained, and tender throughout. Flavor sweet and mild. A valuable sort for home and market garden and for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; lb., 75c; 5 lbs., \$3.25, postpaid.

WHITE EGG

55 days. A popular early home garden and market variety. The roots are egg shaped, about 3 by $2\frac{1}{4}$ inches full grown, with a smooth white skin. They grow half above ground. The flesh is pure white, fine grained, and tender. May be planted early or late. Keeps very well. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

GOLDEN GLOBE or ORANGE JELLY

Table condition in 60 days. A choice table variety, medium sized, orange-yellow in color. The roots are globular, with small tap root and small tops. The flesh is pale yellow, and remarkably fine grained, sweet, and delicious. Excellent for home and market garden. A good keeper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 35c; lb., 65c; 5 lbs., \$2.75, postpaid.

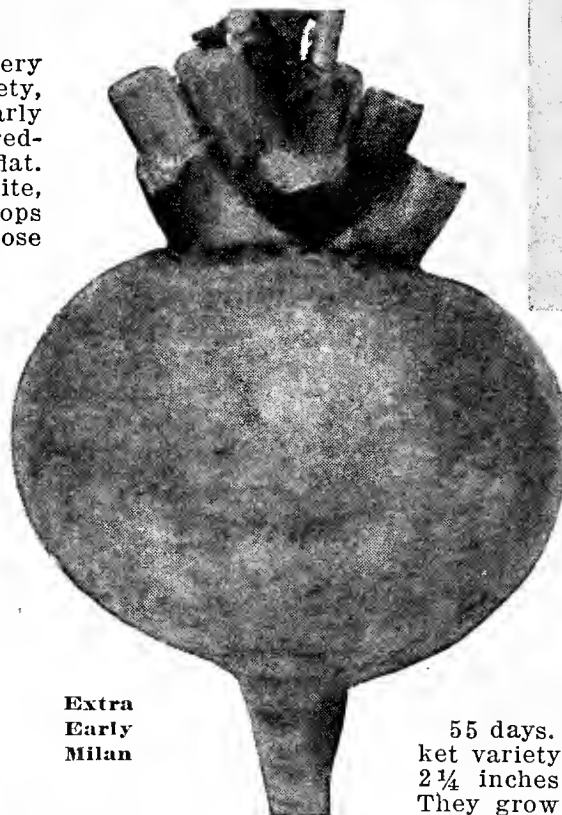
YELLOW ABERDEEN

Full grown in 75 to 80 days. A very productive large turnip, well adapted for stock feeding, but also possessing qualities which make it desirable for table use. The roots are globe shaped, yellow in color at the base and purplish red at the crown. The tops are large and cut-leaved. The flesh is pale yellow, firm, sweet, and tender. A hardy variety, and a good keeper. Diameter 5 inches. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

EARLY LARGE FLAT DUTCH

Table condition in 45 days. A very good table turnip if pulled when about $2\frac{1}{2}$ inches in diameter. At that stage the flesh is sweet, mild, and fine grained. The roots are white, medium sized, and flat; the tops small, upright, compact, strap-leaved. Desirable for the home and market garden. When allowed to grow to full size (about 5 by $2\frac{1}{2}$ inches), this variety makes excellent feed for stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

See Pages 2-3 for Quantity Prices—Not Prepaid



Extra
Early
Milan

white, fine grained, mild, sweet, tender, and rich flavored. May be planted early or late. Keeps very well. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.



White
Egg

TURNIP—Continued**SEVEN TOP**

This variety is desirable for the luxuriant mass of large, tender leaves which it produces. These make fine greens, to be cooked like spinach or served fresh in salads. Especially appreciated in the South. The roots are not edible. Furnishes an abundant crop of excellent forage for stock. Very hardy; not damaged by frost. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

LARGE WHITE NORFOLK

Also known as Pomeranian White Globe. Full grown in 75 days. Widely used for stock feed, but the young roots are also suitable for the table. The roots are large and globe shaped or slightly flattened; the skin smooth and white; the flesh white, firm, and rather coarse grained when mature. The tops are large and cut-leaved. In a rich soil, the roots grow to great size, and the tonnage per acre is always high. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

LONG WHITE COWHORN

A stock variety that grows practically half out of the ground. Grows very rapidly and the flesh is fine grained of good quality. This sort is a good renovator for the soil as it roots deeply. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

TOBACCO

CULTURE: Sow in February under glass or in frames, or outdoors as soon as the danger of frost is past. To prepare an outdoor seed bed, burn brush and litter over it to clean up the ground. Then pulverize the soil and mix with the ashes. Cover the seed lightly. When plants are about 6 inches high set out in well fertilized field about 4 feet apart each way. Thorough cultivation and care are required. One ounce of seed will produce enough plants for one acre.



Tobacco Field

WHITE BURLEY

The popular sort in the producing sections of Kentucky and Tennessee. The leaves are long and broad, with a bright rich color, and a fine flavor and fragrance. Yields heavily. A limestone soil is advisable. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50, postpaid.

HAVANA

Produces a large, long, very thin leaf of finest texture, flavor and quality. Widely used for cigar wrappers. Very early. Thrives best in a chocolate or rich gray soil. When properly grown commands the highest prices. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25, postpaid.

SWEET OROCO

The leaves are long, narrow and glossy. They make excellent dark plug wrappers and fillers. Also used for cigar fillers and for cigarette tobacco. A favorite in Virginia and Carolina. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25, postpaid.

CONNECTICUT SEED LEAF

A hardy variety well suited for growing in the Middle and Northern states. Desirable for cigar fillers and wrappers. The leaves are broad, of medium length, and the plants are of compact growth. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25, postpaid.

RUTABAGAS or SWEDES

CULTURE: Rutabagas have a longer growing season than Turnips, and they should be planted earlier, about the middle of June or a little later. Sow in rows 2½ to 3 feet apart and thin out to 8 or 10 inches apart in the row. Cultivate in the same way as Turnips. They need more moisture than the latter. 2 to 3 lbs. of seed to the acre.

Rutabagas are a very sure crop. In a cool moist cellar they will keep all winter, and provide the table with wholesome, mild-flavored vegetables at very small expense. They make very fine winter feed for live-stock.

**MONARCH SWEDE or ELEPHANT**

This important variety is equally well suited for table use and stock feeding. The yellow flesh is solid, fine-grained and sweet. The roots are of enormous size and the tonnage per acre is much greater than with any other Rutabaga. The skin is purplish-red above ground, white beneath; the neck and tops are small. A fine winter keeper. Pkt. 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

IMPROVED SKIRVING'S PURPLE TOP

Sometimes called American Purple Top. An old standard variety which has been improved by selective breeding. The roots are large and smooth, reddish purple above ground, with short neck and small tops. They have a fine globular shape, and are very easy to pull. The flesh is yellow, solid and sweet, with a high content of dry matter. A hardy type and a heavy cropper. Keeps well. Good for the table, and especially desirable for stock feed. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

IMPERIAL HARDY

A large rooted variety with rich yellow flesh. It is very productive, and not inferior to other types for general purposes. Its greatest merit is its extreme hardiness. A moderate freezing actually improves its quality, giving it a finer, sweeter flavor. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

WHITE SWEET RUSSIAN

This variety is very desirable either for table use or for stock feeding. The flesh is white, firm and sweet. The roots are very large, nearly globe-shaped, with small necks. They are white-skinned, bronze or green at the top. The tops are small and strap-leaved. An immense crop can be grown at very little expense. A fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

LAING'S IMPROVED

An early variety of English origin. The roots are well shaped and of medium size. The skin is purple and the flesh yellow. Very delicious, especially when touched by frost. A splendid winter keeper. A fine garden Rutabaga, excellent for the table. Also suitable for stock feed. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c; 5 lbs., \$2.25, postpaid.

Farm Seeds of High Germination and Purity

All Quotations F.O.B. Rockford, Except 1 and 3 Pound Lots, Which Are Postpaid. No Charge for Bags.



CLOVERS

Medium Red or June Clover. (99:50%) (60 lb. to bu.). Sow 10 to 15 lbs. to the acre. 1 lb., 30c; 3 lbs., 85c, postpaid. Not prepaid, 100 lbs., \$13.50; 1 bu., \$8.25; ½ bu., \$4.25; ¼ bu., \$2.20; ⅛ bu., \$1.15; 5 bu. lots at \$8.00 per bu.

Alsike. (99%) (60 lbs. to bu.). Sow 8 to 10 lbs. to the acre. 1 lb., 30c; 3 lbs., 85c, postpaid. Not prepaid, 100 lbs., \$13.50; 1 bu., \$8.25; ½ bu., \$4.25; ¼ bu., \$2.20; ⅛ bu., \$1.15.

Mammoth or (Sapling) Red Clover. (99:25%) (60 lbs. to bu.). Sow 10 to 15 lbs. to the acre. 1 lb., 35c; 3 lbs., \$1.00, postpaid. Not prepaid, 100 lbs., \$14.00; 1 bu., \$8.50; ½ bu., \$4.35; ¼ bu., \$2.25; ⅛ bu., \$1.20.

White Blossom Sweet Clover. (99%) (Melotius Alba) (Biennial) (60 lbs. to bu.). Hulled and scarified. Sow 15 to 20 lbs. to the acre. 1 lb., 25c; 3 lbs., 70c, postpaid. Not prepaid, 100 lbs., \$6.25; 1 bu., \$3.85; ½ bu., \$2.00; ¼ bu., \$1.10; ⅛ bu., 60c; 5 bu. lots at \$3.70 per bu.

Yellow Blossom Sweet Clover. (99%) (Biennial). Sow 15 to 20 lbs. to the acre. 1 lb., 25c; 3 lbs., 70c, postpaid. Not prepaid, 100 lbs., \$7.00; 1 bu., \$4.35; ½ bu., \$2.25; ¼ bu., \$1.20; ⅛ bu., 65c; 5 bu. lots at \$4.10 per bu.

Crimson Clover or Giant Incarnate. (99%) (60 lbs. to the bu.). To be used south of the Ohio River. Sow 15 lbs. to the acre. 1 lb., 30c; 3 lbs., 85c, postpaid. Not prepaid, 100 lbs., \$10.00; 1 bu., \$6.25; ½ bu., \$3.20; ¼ bu., \$1.70; ⅛ bu., 90c.

Alsike and Timothy Mixed. Containing 15 to 20% Alsike. Sow 10 to 15 lbs. to the acre. 1 lb., 25c; 3 lbs., 70c, postpaid. Not prepaid, 100 lbs., \$7.50; 50 lbs., \$3.85; 25 lbs., \$2.00; 10 lbs., 85c.

ALFALFAS (COMMON)

(Sow 15 to 20 lbs. to acre)

Northwestern Grown. (60 lbs. to bu.) 99:35% pure or better. 1 lb., 40c; 3 lbs., \$1.15, postpaid. Not prepaid, 100 lbs., \$22.00; 1 bu., \$13.25; ½ bu., \$6.75; ¼ bu., \$3.45; ⅛ bu., \$1.75.

Idaho Grown. (60 lbs. to bu.) 99:35% pure or better. 1 lb., 40c; 3 lbs., \$1.15, postpaid. Not prepaid, 100 lbs., \$22.75; 1 bu., \$13.80; ½ bu., \$7.00; ¼ bu., \$3.60; ⅛ bu., \$1.85.

Montana Grown. (60 lbs. to bu.) 99:35% pure or better. 1 lb., 40c; 3 lbs., \$1.15, postpaid. Not prepaid, 100 lbs., \$23.00; 1 bu., \$14.00; ½ bu., \$7.15; ¼ bu., \$3.65; ⅛ bu., \$1.90.

GRIMM ALFALFA

99:50% pure or better

Blackfoot Grimm. (Blue Tag.) Grown and certified by the Blackfoot Alfalfa Growers Association. Sold only in ½ bu. and 1 bu. sealed bags. ½ bu., \$8.40; 1 bu., \$16.75; 5 bu. lots at \$16.50 per bu.

Idaho Grown Grimm. (Blue Tag.) Field inspected. Certified and sealed by State authorities. Offered only in 1 bu. sealed bags. 1 bu., \$16.25; 5 bu. lots at \$16.00 per bu.

GRASSES

Timothy. (99:60% pure or better) (45 lbs. to bu.). Sow 10 to 15 lbs. to the acre. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 100 lbs., \$4.60; 1 bu., \$2.25; ½ bu., \$1.20; ¼ bu., 65c; ⅛ bu., 35c.

Timothy and Alsike Mixture. 15 to 20% Alsike. 1 lb., 25c; 3 lbs., 70c, postpaid. Not prepaid, 100 lbs., \$7.50; 50 lbs., \$3.85; 25 lbs., \$2.00; 10 lbs., 85c.

Orchard Grass. Sow 15 to 20 lbs. to the acre. 1 lb., 30c; 3 lbs., 85c, postpaid. Not prepaid, 100 lbs., \$10.00; 50 lbs., \$5.25; 25 lbs., \$2.75; 10 lbs., \$1.25.

Perennial Rye Grass. (Domestic.) Sow 15 to 20 lbs. to the acre. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 100 lbs., \$6.25; 50 lbs., \$3.25; 25 lbs., \$1.70; 10 lbs., 85c.

Permanent Pasture Mixture. A mixture of grasses and clovers for pasture. Sow 20 to 25 lbs. to the acre. 1 lb., 30c; 3 lbs., 85c, postpaid. Not prepaid, 100 lbs., \$15.00; 50 lbs., \$7.60; 25 lbs., \$3.85; 10 lbs., \$1.75.

Sudan Grass. (Northern grown). Sow 20 to 25 lbs. to the acre. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 100 lbs., \$3.90; 50 lbs., \$2.00; 25 lbs., \$1.10; 10 lbs., 50c.

German or Golden Millet. (50 lbs. to the bu.). Sow 50 lbs. to the acre broadcast. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 100 lbs., \$3.50; 1 bu., \$1.85; ½ bu., \$1.00.

Japanese Millet. (50 lbs. to the bu.). Sow 50 lbs. to the acre broadcast. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 100 lbs., \$3.75; 1 bu., \$1.90; ½ bu., \$1.00.

Hungarian Millet. (50 lbs. to the bu.). Sow 50 lbs. to the acre broadcast. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 100 lbs., \$3.75; 1 bu., \$1.90; ½ bu., \$1.00.

SHUMWAY'S SELECTED FIELD CORN

Northern Grown

From Hand-Selected Ears, Tipped, Butted, Graded and Tested

Germination 95% or better

Reid's Yellow Dent. (110 days). 16 to 20 rows, very large, long ears.

Early Mnrdock or Golden Glow. (90 to 95 days) Yellow. 16 to 20 rows.

Regenerated Red Hackberry. Sometimes called Bloody Butcher. (100 days) Red. 16 to 20 rows.

Pride of the North. (85 to 90 days) Yellow. 14 to 18 rows.

Iowa Silvermine. (100 days) White. 16 to 20 rows.

Iowa Goldmine. (100 to 110 days) Yellow. 16 to 20 rows.

Wisconsin No. 7. (Silver King) (90 days) White. 16 to 18 rows.

Improved Leaming. (100 to 110 days) Yellow. 16 to 20 rows.

All varieties, 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 1 bu., \$2.25; ½ bu., \$1.15; ¼ bu., 60c; ⅛ bu., 35c.

Giant Red Cob Ensilage. Very late, for filling silos, leafy and sweet. Grows 12 to 14 feet high. 56 lbs. to the bu. Seed is white. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 1 bu., \$2.00; ½ bu., \$1.10; 5 bu. at \$1.90 per bu.

FLINT VARIETIES

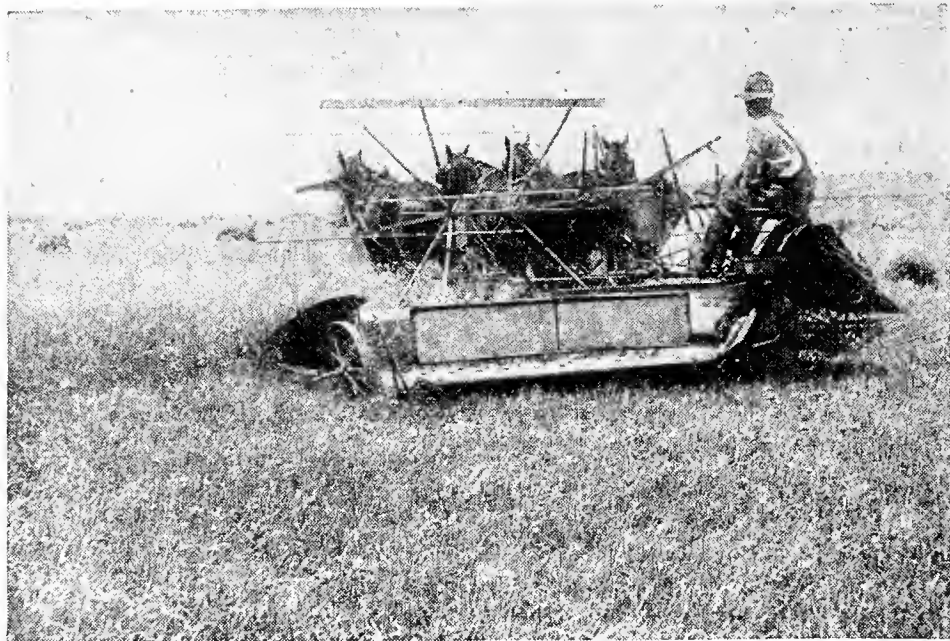
Longfellow Early Yellow. 10 to 12 rows, long ear.

Extra Early Yellow Yankee. 8 rows of kernels, very long ear.

Thoroughbred White. 10 to 12 rows, long ear.

All varieties, 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 1 bu., \$2.25; ½ bu., \$1.15; ¼ bu., 60c; ⅛ bu., 35c.

Farm Seeds—Continued



SEEDS for FORAGE CROPS

MIXED SORGHUM or SUGAR CANE

Used for fodder only. Sow 50 to 75 lbs. broadcast to the acre, 6 to 8 lbs. drilled in. $\frac{1}{2}$ lb., 12c; 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 100 lbs., \$2.35; 50 lbs., \$1.25; 25 lbs., 75c; 10 lbs., 40c.

EARLY AMBER SUGAR CANE

(Not guaranteed pure.) Sow 50 to 75 lbs. broadcast to the acre, 6 to 8 lbs. drilled in. $\frac{1}{2}$ lb., 12c; 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 100 lbs., \$2.65; 50 lbs., \$1.35; 25 lbs., 80c; 10 lbs., 35c.

KANSAS ORANGE SUGAR CANE

(Not guaranteed pure.) Sow 50 to 75 lbs. broadcast to the acre, 6 to 8 lbs. drilled in. $\frac{1}{2}$ lb., 12c; 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 100 lbs., \$2.65; 50 lbs., \$1.35; 25 lbs., 80c; 10 lbs., 35c.

KAFFIR CORN

(50 lbs. to the bu.) Sow 40 to 50 lbs. broadcast to the acre, 6 to 8 lbs. drilled in. Excellent to feed young chicks as well as full grown poultry. $\frac{1}{2}$ lb., 12c; 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 100 lbs., \$2.65; 50 lbs., \$1.35; 25 lbs., 80c; 10 lbs., 35c.

MILO MAIZE

(50 lbs. to bu.) Sow 40 to 50 lbs. broadcast to the acre, 6 to 8 lbs. drilled in. Excellent to feed young chicks as well as full grown poultry. $\frac{1}{2}$ lb., 12c; 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 100 lbs., \$2.65; 50 lbs., \$1.35; 25 lbs., 80c; 10 lbs., 35c.

MISCELLANEOUS FIELD SEEDS

DWARF ESSEX RAPE

For sheep and hog pasture. Sow 5 to 6 lbs. broadcast to the acre. 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 100 lbs., \$6.50; 50 lbs., \$3.35; 25 lbs., \$1.75; 10 lbs., 80c.

JAPANESE BUCKWHEAT

(50 lbs. to bu.) Sow 1 bu. to the acre. 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 1 bu., \$1.75; $\frac{1}{2}$ bu., 95c; $\frac{1}{4}$ bu., 50c.

HAIRY or WINTER VETCH

Sow 30 lbs to the acre. 1 lb., 25c; 3 lbs., 70c, postpaid. Not prepaid, 100 lbs., \$10.00; 50 lbs., \$5.25; 25 lbs., \$2.70; 10 lbs., \$1.25; 5 lbs., 65c.

CANADA FIELD PEAS

(60 lbs. to bu.) Sow 90 lbs. to the acre. 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 100 lbs., \$6.00; 50 lbs., \$3.25; 25 lbs., \$1.65; 10 lbs., 75c; 5 lbs., 40c.

SUNFLOWER

Drill 10 to 15 lbs. to the acre. 1 lb., 25c; 3 lbs., 70c, postpaid. Not prepaid, 100 lbs., \$6.75; 50 lbs., \$3.50; 25 lbs., \$1.85; 10 lbs., 85c; 5 lbs., 50c.

SHUMWAY'S SELECTED SMALL GRAINS

(Milled and Graded)

If Interested in Seed Oats Ask for List of Varieties and Current Prices

WISCONSIN PEDIGREED BARLEY

(48 lbs. to bu.) Sow broadcast $1\frac{1}{2}$ to 2 bu. per acre. 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 1 bu., \$1.10; 2 bu., \$2.00; 5 bu., \$4.50.

MARQUIS SPRING WHEAT

(60 lbs. to bu.) Sow broadcast $1\frac{1}{2}$ bu. per acre. (Wisconsin grown seed.) 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 1 bu., \$1.25; 2 bu., \$2.40; 5 bu., \$5.00.

SPRING RYE

(56 lbs. to bu.) Sow broadcast 2 bu. to the acre. 1 lb., 20c; 3 lbs., 50c, postpaid. Not prepaid, 1 bu., \$1.25; 2 bu., \$2.40; 5 bu., \$5.00.

SOY BEANS

For hay crop, ensilage, hogging down, and particularly adapted for bringing up the soil in fertility. Broadcast 1 bu. to acre. Checked in with corn 1 bu. to 8 acres.

Illini. Matures in 105 days.

Ito San. Matures in 105 days.

Manchu. Matures in 115 days.

Black Eyebrow. Matures in 110 days.

Black Ebony. Matures in 110 days.

Hollybrook. Matures in 115 days.

Any variety (60 lbs. to bu.) 1 lb., 20c; 3 lbs., 55c, postpaid. Not prepaid, 5 bu. @ \$1.40; bu., \$1.50; $\frac{1}{2}$ bu., 85c; $\frac{1}{4}$ bu., 50c. Bags included.



Fresh Each Year
Leads in High Germ
Count

Alfalfa, Clovers,
Soy beans, Peas,
Cow Peas, Beans,
Vetch, Lespedeza

ALWAYS LOOK
on the Label
for the GERM COUNT
Expiration DATE
and the PRICE

INOCULATE
Your legumes with



COSTS LESS—ALWAYS, RELIABLE

When you buy NITRAGIN you BUY BILLIONS of FRESH Legume Germs—not just a package of inoculation. Germ Count and Expiration Date gives you double protection—and more for your money. Don't gamble—buy NITRAGIN.

EASY TO APPLY—WITH OR WITHOUT WATER

NITRAGIN is a granular MOIST soil-like culture packed in tins. If mixed well can be applied to seed without water, and good inoculation will result. However any inoculation will give more uniform results when water is used.

Remember, NITRAGIN can do anything
claimed by other inoculators — and
do it BETTER and CHEAPER.

NITRAGIN INOCULATION PRICES

When ordering, always specify kind of seed.

Alfalfa, All Clovers	
Size	Retail
$\frac{1}{2}$ bu.	\$.50
1 bu. ....	.90
5 bu.	4.00

Peas, Vetch, Beans, Austrian Winter Peas	
Size	Retail
$\frac{1}{2}$ bu.	\$.40
1 bu. ....	.60
*1-2/3 bu. ....	.90
5 bu.	2.50
**"100 lb. size." Packed only for Vetch and Aust. Pea.	

Soy Beans, Cow Peas Lespedeza (Hulled)

Size	Retail
1 bu.	\$.40
2 bu. ....	.70
5 bu.	1.50
10 bu.	2.50

Garden NITRAGIN
for Peas, Beans,
Sweet Peas

Inoculates from 1 oz.
to 8 lbs. seed, Price 25c

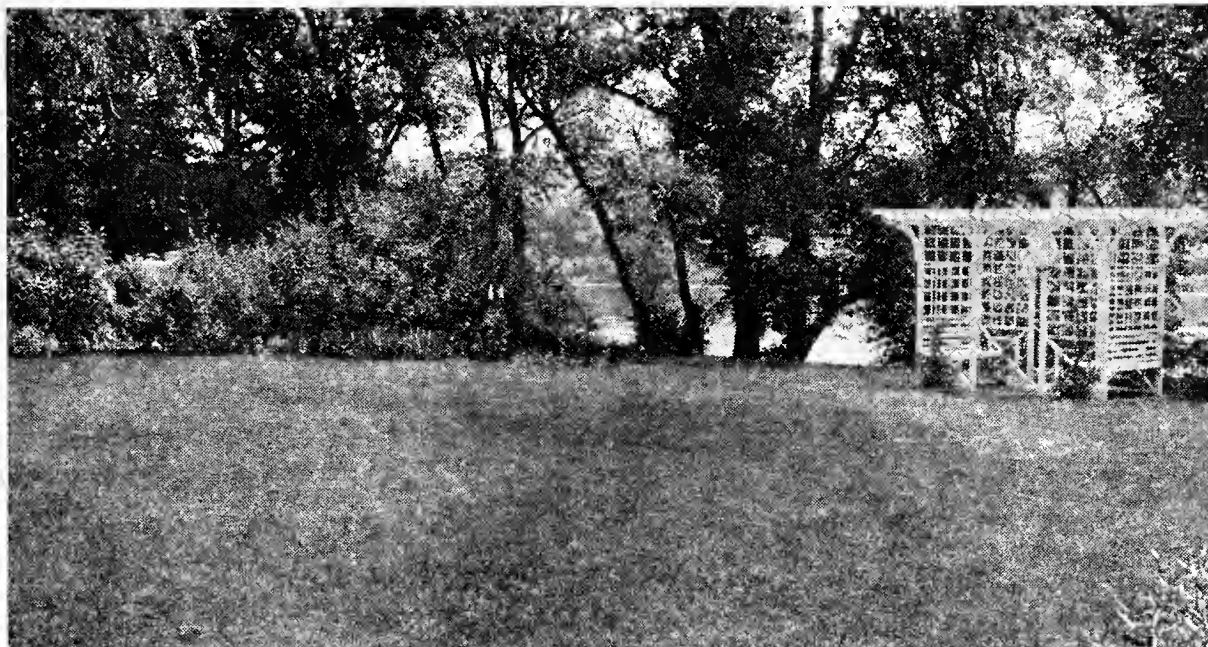
NITRAGIN Has Served the American Farmer Since 1898

Shumway's Lawn Grass Seed

SEEDING OF LAWNS

In preparing ground for a new lawn all that is necessary is to see that it is well spaded, making it as fine and mellow as possible. If it consists of earth from the excavation for the house, or is hard and lumpy, it should first receive a good dressing of manure, which should be spaded in and mixed with the soil, making it fine and smooth. Before sowing the seed, the surface of the soil should be freshly raked, then sow the seed as evenly as possible and rake it in, following with a roller.

The following quantities of the mixture we offer are the usual amounts sown for a new lawn: 1 lb. for 300 sq. ft.; 5 lbs. for 1500 sq. ft.; 10 lbs. for 3000 sq. ft.; 25 lbs. for one-fourth acre. If intended for renewing an old lawn use one-half the quantity.



SHUMWAY'S REFINED LAWN MIXTURE

This is by far the best mixture of grasses for a fine textured lawn; it is made up of the choicest and hardiest varieties that will winter well and thrive under varying climatic conditions. It has been recleaned, compounded and blended as perfectly as modern machinery can do it. All of our grasses are analyzed by the laboratories and the degree of purity shows practically the elimination of chaff and foreign seeds.

If we could compound a better lawn mixture we would do so, but through tests we fail to find its superior. Per lb., 40c; 3 lbs., \$1.10; 5 lbs., \$1.75, postpaid. Not prepaid, 5 lbs., \$1.40; 10 lbs., \$2.70; 25 lbs., \$6.25; 100 lbs., \$24.00.

SHUMWAY'S ROLLING GREEN MIXTURE

A compounded mixture of quick growing grasses with White Clover that will make a quick show of green over the lawn. This mixture, however, is not one that will give the very fine texture of Shumway's Refined, but it will make a very creditable lawn and stand heavy usage when established. Per lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.65, postpaid. Not prepaid, 5 lbs., \$1.25; 10 lbs., \$2.40; 25 lbs., \$5.65; 100 lbs., \$22.00.

SHUMWAY'S FOREST CITY MIXTURE

For Shady Places

This mixture of grasses adapted to growth in the shade is carefully and particularly compounded to make a beautiful lawn under trees. It is impractical to think that a good lawn can be made in shady places by using any regular lawn grass. It may start out well in the spring before the foliage becomes dense; however, it will die out very rapidly after the full growth of foliage is on.

Use this mixture for shade in the same proportion that you use the regular lawn grass and before the season is over you will be well repaid for the extra effort and time it has taken to give this special attention.

Prices: Parcel post charges paid, 1 lb., 50c; 2 lbs., 95c; 3 lbs., \$1.40; by express, charges collect, 3 lbs., \$1.25; 5 lbs., \$2.00; 10 lbs., \$3.90.

KENTUCKY BLUE GRASS

(*Poa pratensis*.) Also called June Grass. This is known as one of the best grasses for the making of fine lawns, also desirable for pastures and meadows. Seed at the rate of 1 lb. to 300 square ft. Fancy recleaned solid seed sun dried. 1 lb., 30c; 2 lbs., 55c; 5 lbs., \$1.35, postpaid. Not prepaid, 5 lbs., \$1.10; 10 lbs., \$2.00; 25 lbs., \$4.75; 100 lbs., \$17.50.

RED TOP

Thoroughly Recleaned, Hulled Seed

(*Agrostis alba*.) This is one of our better native grasses. Well adapted to moist soils; a good variety for lawns as well as pastures. Seed at the rate of 1 lb. to 300 square feet. 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.15, postpaid. Not prepaid, 5 lbs., 80c; 10 lbs., \$1.50; 25 lbs., \$3.75; 100 lbs., \$14.00.

RYE GRASS, ENGLISH OR PERENNIAL

(*Lolium perenne*.) A grass with an abundance of foliage. Fine for pastures, thrives well on most any soil. Especially adapted for winter lawns in the South, also a good grass for lawns in the North where a quick show of green is desired. 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.25, postpaid. Not prepaid, 5 lbs., 85c; 10 lbs., \$1.60; 25 lbs., \$3.50; 100 lbs., \$13.00.

CHEWING'S FESCUE

(New Zealand grown.) This is a perennial grass with creeping roots that makes an exceptionally fine turf. This grass is in great demand for Putting Greens. Very fine mixed with Blue Grass for lawns. Thrives well in sandy soils and in shade. Sow either in the spring or fall. 5 lbs. to 1,000 square feet. 1 lb., 40c; 2 lbs., 75c; 5 lbs., \$1.85, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.90; 25 lbs., \$7.00; 100 lbs., \$26.00.

ROUGH STALKED MEADOW GRASS

(*Poa trivialis*.) An ideal shade grass in the Northern half of the United States, providing there is sufficient moisture. Perennial in nature, closely related to Kentucky Blue Grass, but somewhat finer and softer. Sow in spring or fall at the rate of 1 lb. to 300 square feet. 1 lb., 40c; 2 lbs., 75c; 5 lbs., \$1.80, postpaid. Not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.90; 25 lbs., \$7.00; 50 lbs., \$13.00; 100 lbs., \$25.00.

WOOD MEADOW GRASS

(*Poa nemoralis*.) Also used in the Northern half of the United States as a shade grass; however, it prefers a rather dry soil and should not be used in wet places. Sow in the spring or fall at the rate of 1 lb. to 300 square feet. 1 lb., 55c; 2 lbs., \$1.00; 5 lbs., \$2.35, postpaid. Not prepaid, 5 lbs., \$1.95; 10 lbs., \$3.75; 25 lbs., \$9.50; 50 lbs., \$18.00; 100 lbs., \$35.00.

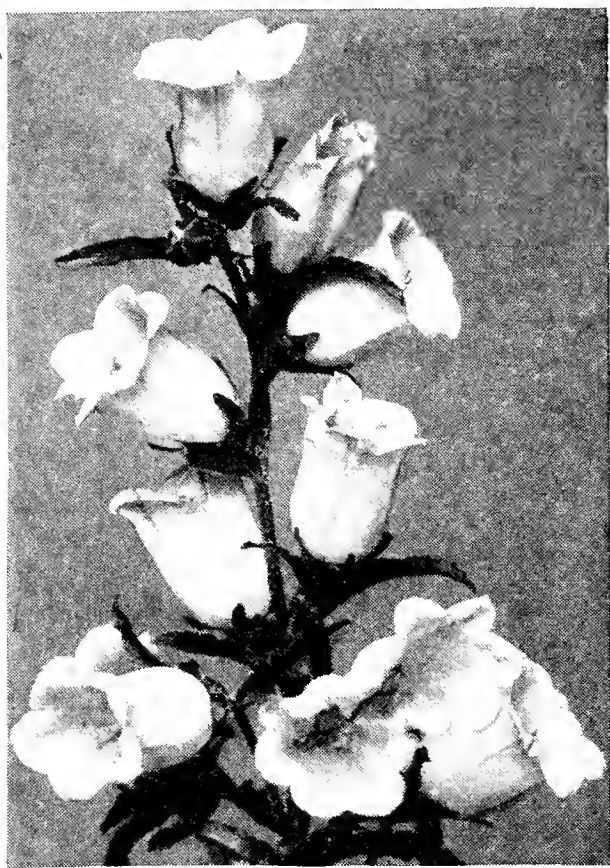
CREEPING BENT or EUROPEAN MIXED BENT

A mixture of Creeping Bent, Velvet Bent and Rhode Island Bent. This is used extensively for Putting Greens and Golf Courses. Bent grasses prefer an acid soil, therefore if fed with acid reacting fertilizers such as Ammonium Sulphate, about every three weeks, it tends toward the discouragement of weeds. For lawns it is better to use the seed than the Creeping Bent Stolons, because the lawn will not grow so rapidly and the average home owner can keep up with the mowing. Seed at the rate of 3 to 4 lbs. per 1,000 square feet. 1 lb., \$1.25; 2 lbs., \$2.40; 5 lbs., \$5.75; 10 lbs., \$11.25, postpaid.

WHITE DUTCH CLOVER

The clover in general use for lawns. Being of a creeping habit it prevents the soil from being washed away by rains. Also used in permanent pastures. Price, per lb., postage paid, 65c; 2 lbs., \$1.25; by freight or express, charges collect, 1 lb., 55c; 5 lbs., \$2.65; 10 lbs., \$5.25; 25 lbs., \$12.25.

Flower Seed Novelties for 1933



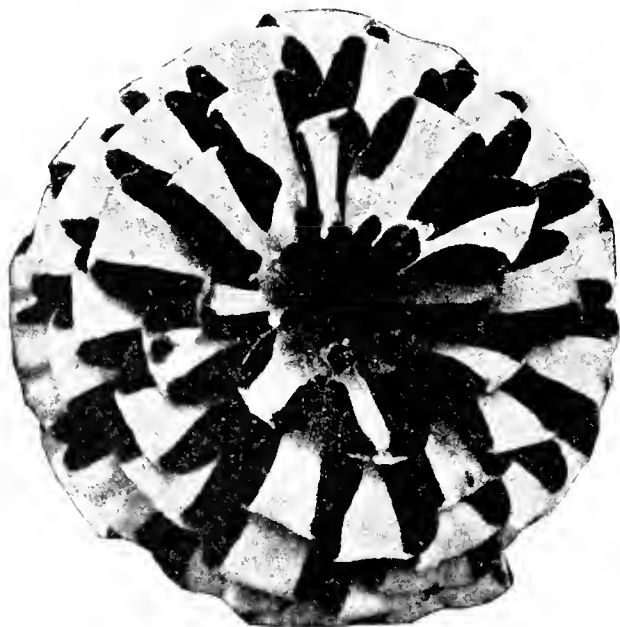
New Annual Canterbury Bell

MARIGOLD, GUINEA GOLD

A new and extraordinarily lovely development of African Marigold. It is a distinct type, of graceful pyramidal habit, growing 2 to 2½ feet high. Each plant bears 30 to 40 gorgeous blooms, 2 to 2½ inches across, in a brilliant shade of orange flushed with gold. The flowers, all of which come double, have broad, delicately waved petals, clustered in loose rosettes. The characteristic Marigold odor is much milder and less pungent than in other sorts. For best results, sow early. **Pkt., 20c.**

MARIGOLD, FRENCH—Tall, Gold-Striped

A unique type, originated in Scotland, and perfected by special selection from prize specimens. The flowers are double, and the petals are deftly layered in receding rows, with a small central tuft. Strikingly tigered in bright gold and rich wine. Highly decorative in the border, or mixed with other flowers in vases and bowls. 2 to 2½ feet tall. **Pkt., 20c.**



French Marigold—Tall, Gold-Striped

NEW ANNUAL CANTERBURY BELL

See Color Plate

After many years of careful selection in Canterbury Bells, this notable type, blooming from seed in less than six months, has at last been achieved. By varying the time of sowing and transplanting, blossoms can be obtained at any time during the summer. The plant reaches a height of 2 to 2½ feet and has six to eight spikes heavily laden with beautifully formed bells. Our mixture supplies an assortment of dark blue, light blue, pink, rose, and white. This splendid new variety fills a long felt want, and is certain to take a high place among flowers of outstanding merit. **Pkt., 25c.**

NASTURTITIUM GOLDEN GLEAM

See Color Plate

A distinctly new type, heralded as the first double Nasturtium which comes true from seed. Experts everywhere recognize that it is one of the finest new flowers. The plant forms a vigorous, large bush which throws out short runners, averaging 18 inches. The blossoms are borne on stiff erect stems, which hold them above the foliage and thus enhance the effect. When in full bloom, the whole plant is a blaze of golden yellow. The flowers are large and semi-double, 2½ to 3 inches across, with loose, wavy petals, and they are much more attractive than the single blossoms of ordinary Nasturtiums. Golden Gleam will add to the beauty of any garden. A few of its lovely blooms in a small bowl will brighten a room and in a short time fill it with their wonderful fragrance. **Pkt., 20c.**

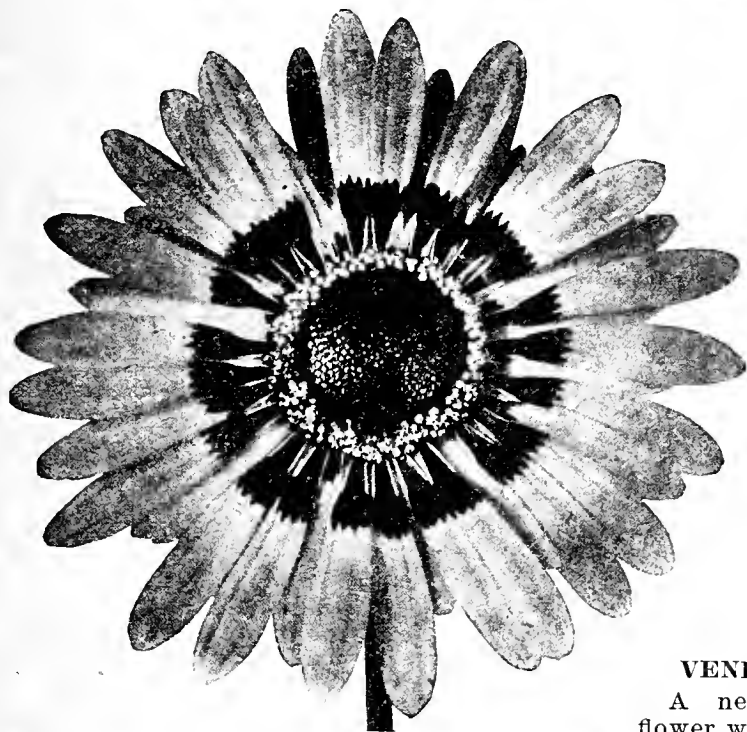


Nasturtium, Golden Gleam

HOLLYHOCK DOUBLE TRIUMPH

Hardy perennial. 4 to 5 ft. A distinct new type of Hollyhock recently developed in England, and the finest strain ever introduced. The plant, which is of branching habit, is much more graceful than the old single-stalk types, which were a little too stiff. All the stems are beautifully festooned with gloriously colored blooms, whose petals form exquisite rosettes, thickly double, and prettily waved and fringed. 45 distinct colorings have been noted in this strain. Among them are gorgeous shades of crimson, scarlet, carmine, rose, flesh, cream, yellow, violet, purple, and white. Very often a single blossom will be charmingly vari-colored in combinations such as cream flushed with rose, or white with a tinge of lilac. This splendid new type blooms 10 days earlier than ordinary Hollyhocks. It is destined for great favor with discriminating flower lovers. **Pkt., 25c.**

Flower Seed Novelties for 1933



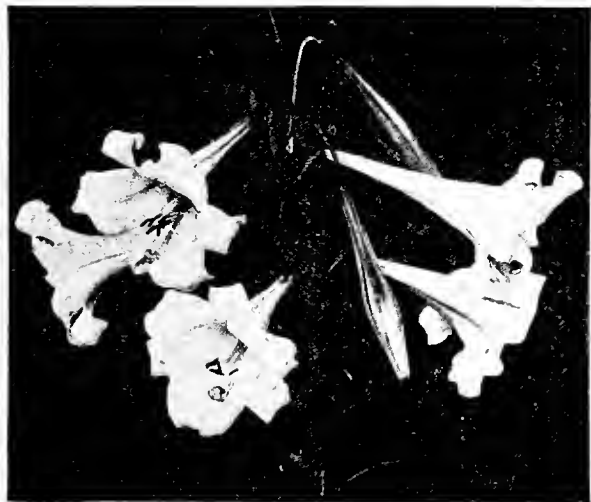
Venidium Fastuosum

PENSTEMON, SENSATION

This beautiful flower grows about 2 feet tall; it is a perennial, but can be easily grown as an annual. The seed when sown inside during February or March will bloom freely the first year. The large flower spikes produce beautiful Gloxinia-like flowers. Very brilliant various colored blooms. One of the most desirable flowers in the border and very attractive when planted in combination with the Maximum Snapdragon. Pkt., 10c.



Penstemon, Sensation



Lilium Philippinense Formosamum

VENIDIUM FASTUOSUM

A new outstanding annual flower which was found in South Africa. It can be grown either out of doors or under glass. Blooming about 3½ to 4 months from time of planting. It grows 2 to 3 ft. high, has long serrated leaves and the brilliant orange flowers are 3 inches across with dark centers and a deep purple zone. Do not fail to have this very new flower in your garden. Pkt., 35c.

LILIUM PHILIPPINENSE FORMOSAMUM

This beautiful Lily was found to be of Japanese introduction. Its long wide mouth trumpet flowers of the purest white are slightly marked on the back of the petals a reddish-brown. This Lily has been known to blossom six months from seed; however, let it stay in your garden and establish. After the second year transplant to a depth of 8 inches. When this Lily has developed a full size bulb it grows to a height of 3 to 4 feet and blossoms in July. Pkt., 40c.

DOUBLE PYRETHRUM ROSEUM

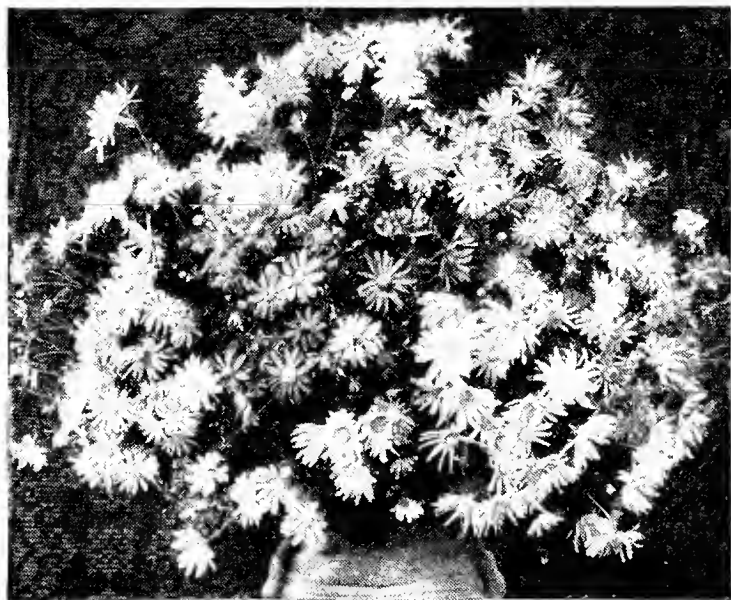
This is a new strain of that delightful perennial, selected for its double blossoms. One cannot expect from seed to secure all double, however, it will run about 50 per cent so. It grows 1 to 2 feet tall, blooming period in May and June and again in August and September. Those looking for the newer things, for their perennial borders, will find this a real acquisition. Pkt., 15c.

CHRYSANTHEMUM JAPONICUM

A new perennial Chrysanthemum from Japan blossoming 6 months from seed and continuing its growth year after year and then blossoming in the fall of the year. As one can see from the illustration the flowers are single in formation. The color range is practically every shade and hue known to plant life; words fail when it comes to describing this very beautiful late flowering perennial. Pkt., 25c.



Double Pyrethrum Roseum



Chrysanthemum Japonicum

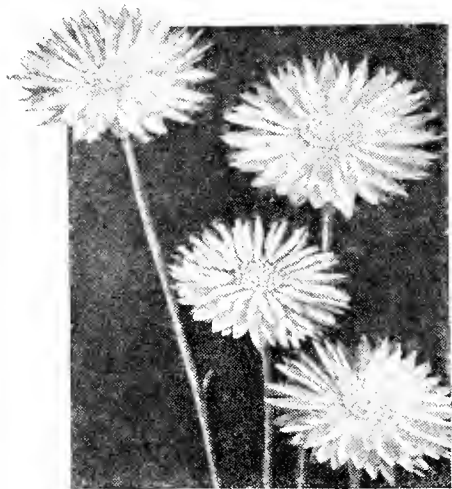
Shumway's Flower Seeds

ABUTILON

(Flowering Maple.) Tender perennial. 3 to 4 ft. Blooms 6 months from seed. Very popular for indoor blossoms, blooming all the year. Sow indoors any time before April; set out in pots, baskets or beds in the spring. The flowers will appear by fall, and will continue to bloom indoors during the winter. Produces a profusion of lovely bell-shaped flowers in white, yellow, pink, and red. Easy to grow. Pkt., 15c.

ACHILLEA, the PEARL

(Milfoil or Yarrow.) Hardy perennial. 2 ft. Flowers June to September. Produces pure white double flowers in large clusters over a long season. Very useful for borders, rock gardens, or to plant among shrubbery. Excellent to cut for vases or for mixing in bouquets. Easy culture. Prefers sun. Pkt., 20c.



Acroclinium

ACROCLINIUM

Semi-hardy annual. 20 inches. Pretty daisy-like double blossoms, pink and white with golden centers. Most popular for winter bouquets, cut as buds and dried. Also good for fresh bouquets. In bloom six weeks after sowing, and flowers freely during the summer. Pkt., 10c; ¼ oz., 30c.

ADLUMIA (MOUNTAIN FRINGE or ALLEGHENY VINE)

Cirrhusa. Hardy biennial. 15 ft. In bloom July to September. Although strictly a biennial, this plant is practically a perennial, since it resows itself each year. A graceful, hardy climber. The feathery foliage is something like that of Maidenhair Fern. The vine is covered with tubeshaped flowers, white or pale rose. Will bloom from seed the first year if sown early. Pkt., 10c.



Ageratum

AGERATUM

(Floss Flower.) Hardy annual. A superb bedding plant, supplying a blanket of beautiful feathery blossoms from early summer till frost. Grows rapidly and blooms luxuriantly even in the hottest weather. The plants are not injured by heavy rain, and the flowers do

not fade. May be sown in hotbed or window and transferred to open ground in May, or may be sown outdoors in May.

Mexicanum Coeruleum. 18 inches. Lovely soft lavender blue. Splendid for cutting. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c.

Blue Perfection. 9 inches. Very deep blue flowers, blooming very thickly and abundantly. Fine for bedding. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c.

Little Dorrit. 6 inches. Azure blue. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c.

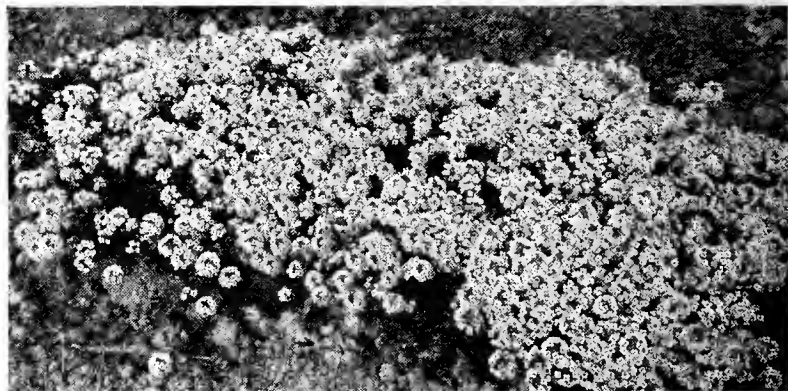
ADONIS

(Pheasant Eye.) Hardy annual. 1 foot. A showy plant with dark green, feathery foliage, and small cup-shaped crimson flowers with dark centers. Keeps well and blooms for several days when cut and placed in water. Nice for mixing in bouquets. Sow outdoors in late fall or early spring. Blooms early. Pkt., 10c.

AGROSTEMMA

Coronaria. (Rose Champion mixed with Alba.) Hardy perennial. 1 to 2 feet. Blooms June to September. A very decorative plant producing beautiful, large blossoms, white or deep crimson, borne on long stems, with soft silvery white foliage. Very free flowering. Easy to grow. Excellent for cutting. Pkt., 10c; ¼ oz., 25c.

Alyssum



Exceptionally easy to grow and most attractive in appearance and fragrance, the Alyssum varieties are almost indispensable to any garden. Especially desirable for edgings or rockeries, and for beautifying odd corners. They grow rapidly and bloom a long time. If the early blossoms of the annual types are cut as they fade, new ones will appear.

Sweet Alyssum or Benthami Maritimum. Hardy annual. 10 inches. Blooms from early summer until frost. Small, white, four-petaled flowers, honey-scented. Delightful for small bouquets. Pkt., 5c; ½ oz., 15c; oz., 25c.

Little Gem. (Compactum Erectum.) Hardy annual. 4 inches. Blooms from late spring until frost. The best white-flowered edging plant. Forms circular masses densely covered with tiny white blossoms. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 65c.

Lilac Queen. Hardy annual. 6 inches. Blossoms are a delicate lavender. Otherwise very similar to Little Gem. Gives very pleasing effect when planted with the latter for edgings. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 65c.

Saxatile Compactum or Basket of Gold. Hardy perennial. 9 inches. Blossoms in May and June. Admirable for rock gardens and borders. Produces showy, luxuriant masses of golden blossoms very early. Pkt., 10c.

Alyssum Creticum. See section on "Seeds of Alpine Plants for Rock Gardens," page 85.

AMARANTHUS

Caudatus (Love Lies Bleeding). Hardy annual. 3 ft. A quick growing strain with light green foliage and long, drooping, blood-red flower spikes. Decorative for borders. Pkt., 10c.

Molten Fire. Hardy annual. 5 ft. A highly decorative foliage plant of recent introduction. It grows in pyramidal form with many branches. Each branch is clothed with large leaves of reddish bronze, becoming brilliant scarlet near the tip of the branch. Very striking and effective in tall borders, or for the centers of large beds. A sunny spot is best, and, for brilliant coloring, the soil should not be too rich. Pkt., 10c.

Salicifolius (Fountain Plant). Hardy annual. 3 ft. An unusual plant of tropical appearance, having a great abundance of long, fine, willowy foliage which hangs gracefully and resembles a fountain. Its gorgeous colors range from yellow, bronze, and orange, to crimson and cerise. Easily grown and highly ornamental. Pkt., 10c.

ANEMONE (WINDFLOWER)

Coronaria. Half-hardy perennial. 10 inches. Blooms from early spring until June. The flowers are large and cup-shaped, blue, white or red, with contrasting centers. They make a most attractive and brilliant display. Excellent for cutting. Mixed colors. Pkt., 10c.

Anemone-Alpina. See section on "Seeds of Alpine Plants for Rock Gardens." Pkt., 20c. Page 85.

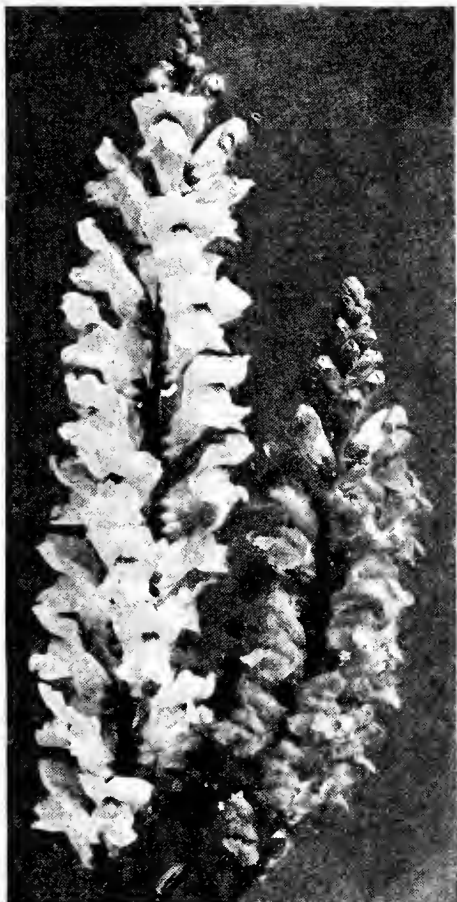
AMMOBIUM

Winged Everlasting. (*Alatum Grandiflorum.*) Hardy annual. 2½ ft. Capable of being dried and kept for winter decoration. Pretty silvery white flowers with yellow centers. If sown in April or May, it will blossom freely the same year. Pkt., 10c.

Antirrhinum or Snapdragon

Hardy annual. Blooms July to November. Few garden plants are so attractive and interesting as Snapdragons. The quaint, curiously formed blossoms are borne in long sprays well above the dark, contrasting foliage. The colors range from delicate shades to the most brilliant hues. The tall types are ideal for the background of the border, and the medium strains for bedding. All make fine cut flowers, delightfully fragrant.

Easily grown from seed in a rich, sunny bed. Sow outdoors when the ground is warm, or start indoors earlier and transplant. Pluck the spikes as they fade.

**Antirrhinum or Snapdragon****MAXIMUM, GIANT FLOWERING**

Height 32 inches. This strain is the largest of the Snapdragons, each bloom measuring 2 to 3 inches across.

Apple Blossom.

Rosy-pink, yellow lip.

Cattleya. Rosy-lilac.

Copper King. Velvety copper-scarlet.

Golden Queen. Deep yellow.

Indian Summer. Velvety copper. (See inside back cover.)

Old Gold. Deep golden yellow.

Purple King. Deep glowing purple.

Ruby. Velvety, ruby-red.

Snowflake. Pure white, yellow tube.

The Rose. Rose-pink. (See inside back cover.)

Wallflower. Brownish orange, copper-red.

Pkt., each of any of the above, 10c.

Maximum Snapdragon, Mixed. A well balanced fine mixture. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.10.

Maximum Snapdragon. Collection of 12 packets of above, 95c.

MEDIUM, LARGE FLOWERING

Height 18 to 20 inches

Climax. Orange, shaded to yellow in lip.

Fawn. Terra cotta pink, suffused yellow.

Firebrand. Bright scarlet.

Gloria. Rich deep rose-pink.

Golden Queen. Clear yellow.

Grenadier. Orange-scarlet, white throat.

Manve Queen. Lilacy-mauve.

Nelrose. Deep rose-pink.

Purity. Pure white.

Silver Pink. Pearly pink.

Pkt., each of any of the above, 10c.

Medium Snapdragon, Mixed. A well balanced fine mixture. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.10.

Medium Snapdragons. Collection of 11 packets of above, 85c.

ARABIS (ROCK CRESS)

Alpina. Hardy perennial. 6 inches. Blooms April and May. One of the earliest and prettiest of the hardy perennials. Very nice for rockeries and edgings. The plants are dwarf and, planted close, will make a blanket of pure white for the border. Does well in any soil, but needs plenty of sunlight. Easy to grow. Pkt., 10c.

AQUILEGIA (COLUMBINE)

See Color Plate

Mrs. Scott Elliott's Strain. Hardy perennial. 2 ft. Blooms in May and June when sown the preceding September. Although one of the most exquisite flowers grown, it is hardy and vigorous, growing almost anywhere. Prefers partial shade and plenty of moisture. The starry, long-spurred, brightly colored blossoms are borne on long stems with airy grace and sprightliness. Charming for rock gardens and borders. The cut flowers make a fine show in vases. Supplied in a wide range of mixed colors. Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c; ½ oz., 75c; oz., \$1.25.

**Aquilegia (Columbine)****ARCTOTIS**

African Daisy. (2 to 3 ft.) A beautiful blue annual from the Southwestern part of Africa, growing in bush form two to three feet high. The flowers are large and the color pure white on the upper part of the petals, the reverse side being a pale lilac blue. It is one of the most desirable flowers we have for cutting. Grown very easily from seed, germinating in about five days. Plants bloom in July. Plant in a sunny location. Pkt., 10c.

**Arctotis (African Daisy)**

YELLOW AFRICAN DAISY
Dimorphotheca. This beautiful annual grows 1 ft. in height. The marguerite-like blossoms are in all shades of yellow to the deepest orange. All blossoms are made more pronounced by their dark centers. This is a beautiful addition to the garden to those who are admirers of the Daisy family. Pkt., 10c; ⅛ oz., 35c; ¼ oz., 60c.

ANCHUSA

Capensis. This hardy annual grows about 2 feet tall, and is of extraordinary beauty. It branches freely and bears a profusion of pretty flowers resembling the Forget-me-not; however, the blooms are larger and of finer color. Bloom early and continues all summer. Pkt., 10c.

ASPERULA

Hexaphylla. Pretty white flowered perennial with square stems. Four-lobed flowers with the foliage whorled. They do the best in the shade. Very desirable to mix with Sweet Peas and other cut flowers to lighten the effect. Pkt., 15c.

**Anchusa (Capensis)**

ASTERS

Asters bloom profusely in the early autumn, making a beautiful display in the garden. They are ideal bedding plants and excellent as cut flowers. They do best in a heavy soil that has been enriched with bone meal and wood ashes. For early blooming, the seeds should be started in a hotbed in March, transplanting when all danger of frost is over. For late blooming, sow the seed outdoors in May, resetting to about 1½ to 2 feet apart each way. Do not grow asters in the same ground every year; they must have a new location each season.

EARLY BEAUTY

Annual. A new introduction possessing all the desirable traits of the Late Beauty type, yet because of its earlier season is valuable for sections where the season is too short to flower the late type before frost. The flowers are large, with long stout branching stems. Height 2 to 3 feet.

Crimson—Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.

Purple—Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.

Rose—Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.

White—Pkt., 10c; ½ oz., 30c; ¼ oz., 50c.

Mixed—Pkt., 10c; ½ oz., 30c; ¼ oz., 50c; ½ oz., 90c.

IMPROVED GIANTS OF CALIFORNIA

Annual. 2½ to 3 ft. The aristocrat of the aster family, this splendid new strain has become enormously popular with both the professional florist and the home gardener wherever quality is appreciated. The immense, fluffy flowers measure from 5 to 6 inches and have

delicately curled and interlaced petals which give them the appearance of large chrysanthemums. Produced on long willowy stems and forming no laterals, so that no disbudding is necessary.

White—The most beautiful white aster—Pkt., 15c; ½ oz., 50c; ¼ oz., 90c.

Light Blue—Pkt., 15c; ½ oz., 50c; ¼ oz., 90c.

Peach Blossom—Light Pink—Pkt., 15c; ½ oz., 50c; ¼ oz., 90c.

Deep Rose—Pkt., 15c; ½ oz., 50c; ¼ oz., 90c.

Deep Purple—Pkt., 15c; ½ oz., 50c; ¼ oz., 90c.

Mixed—Pkt., 15c; ¼ oz., 90c.

Bulb Catalog

Our fall catalog of bulbs will be ready for distribution about the middle of August. If you are interested in tulips, hyacinths, crocus, narcissus, peonies, iris and lilies, don't fail to have a copy mailed you.

As a suggestion when you send in your order for seed, request a fall catalog, making this request on a separate slip of paper, with your name and address, and as soon as the catalogs are off the press, one will be mailed you.



Early Beauty Aster

QUEEN OF THE MARKETS

Annual. 18 inches. The best of the early blooming asters, coming into flower in July, several weeks before the other varieties, and remaining in fine condition until the others begin to blossom. Of graceful branching habit, bearing handsome, medium-sized flowers on long stems. Exceedingly valuable for cutting, and very popular with florists who rely on it for the early market. Also a favorite in the home garden because of the lovely double flowers which may be picked way ahead of the later strains.

Crimson—Pkt., 10c; ¼ oz., 35c.

Flesh Pink—Pkt., 10c; ¼ oz., 35c.

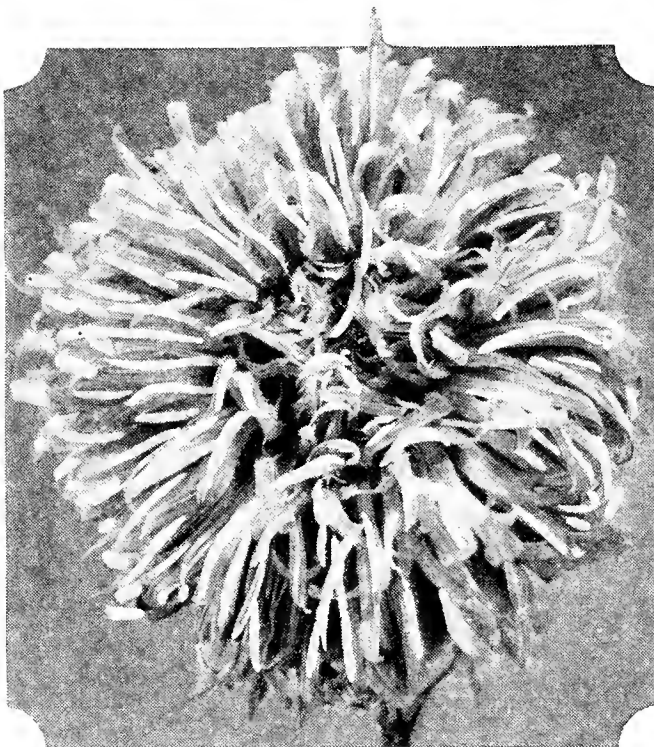
Lavender—Pkt., 10c; ¼ oz., 35c.

Rose—Pkt., 10c; ¼ oz., 35c.

Purple—Pkt., 10c; ¼ oz., 35c.

White—Pkt., 10c; ¼ oz., 35c.

Mixed—Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

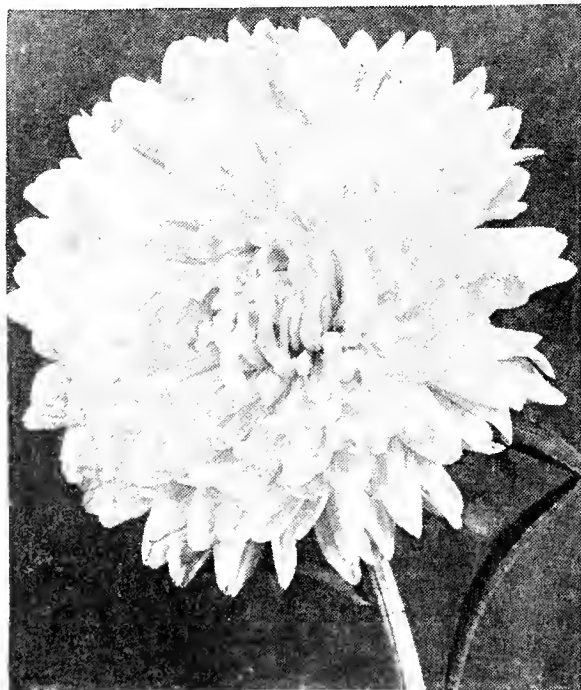


Improved Giants of California

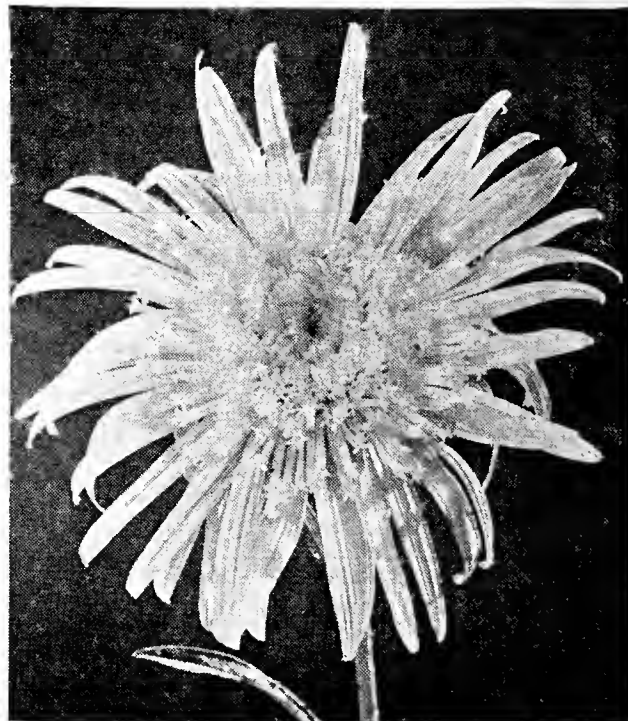
GIANT CALIFORNIA SUNSHINE ASTER

(New Improved Strain)

Hardy Annual. 2½ ft. These novel and artistic flowers are far superior to the Old Sunshine type. The blossoms are 4 to 6 inches in diameter and the tufted centers of short florets are of pale color which contrasts beautifully with the various lovely shades of the twisted and quilled petals. This lacy, two-tone effect is altogether charming, and the graceful flowers have become instantaneously popular, being much in demand for cutting. All colors mixed. Pkt., 10c; ½ oz., 40c.



Queen of the Markets



Giant California Sunshine Aster

ASTERS—Continued**PERENNIAL
ASTER****(Michaelmas Daisy)**
Hardy Perennial.

3 ft. Late in the fall, when most other flowers are through blooming, this herbaceous, sturdy plant begins to display myriads of daisy-like blossoms, with tiny contrasting disks, in a great variety of delicate and vivid colorings. The plants are branching and produce an abundance of blooms, brightening up the borders and shrubberies in a delightful fashion. If sown early they will flower the first season. Pkt., 10c.

**Perennial Aster****HEART of FRANCE**

Annual. 2 ft. The most strikingly beautiful, pure ruby-red aster ever introduced, bearing large, full blossoms on long strong stems with but few laterals. Plants of branching type. Blooms in September and retains its glowing beauty through all stages of development, deepening somewhat with age. Heart of France is greatly admired everywhere and its rich, startling color cannot be found in any other aster. Pkt., 15c; 1/8 oz., 40c; 1/4 oz., 75c.

NEW PEERLESS YELLOW

Hardy Annual. 20 to 24 inches. A splendid new aster of fine, deep yellow color and graceful shape. The flowers are frequently 5 inches across with slightly incurved and twisted petals. Plants are of branching habit and sturdy growth. This is without a doubt the best yellow aster on the market. Pkt., 15c; 1/8 oz., 40c; 1/4 oz., 75c.

AMERICAN ASTER MIXTURE

We offer only the finest and most distinctive types of asters in our mixture which contains a wide variety of both soft and brilliant colors. These are the tall-growing asters, early, midseason, and late flowering kinds, that will provide a succession of glorious blooms from early summer till late fall. They have been taken from selected stock especially for this purpose and will not fail to please everyone. Pkt., 5c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.

**American Aster Mixture****BALLOON VINE**

Cardiospermum or Love-in-a-Puff. Hardy annual climber. 10 to 15 ft. A graceful, rapid growing vine covered with delicate clusters of small white flowers. The puffy seed pods resemble miniature balloons, and the whole effect is curious and attractive. Should be grown in a sunny spot on a trellis or other support. Pkt., 10c.

**DOUBLE BALSAM or
LADY SLIPPER**

Camellia Flowered. Hardy annual. 18 inches. An old garden favorite producing a mass of beautiful, brilliant colored, double flowers, nestling closely around a stiff stalk. Prefers a rich soil and plenty of moisture and sunlight, but will grow in partial shade. The plants develop rapidly and will stand transplanting when of good size. Allow 12 to 18 inches between plants. Our mixture contains the entire range of gorgeous colors. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.

**Double Balsam****BARTONIA**

Aurea. Hardy annual. 1 ft. Blooms from July to September. This native of California should be better known in all parts of the country. It produces large, handsome, showy, golden-yellow flowers which gleam like satin in the sunlight, and their throats are ornamented with bristling stamens. The foliage is a silvery gray. The plant will not stand transplanting and does best in a sunny, dry position. Fine for cutting. Pkt., 5c.

BELLIS PERENNIS or (Double English Daisy)**Bellis Perennis**

Hardy perennial. 6 to 8 inches. Blooms from early spring well into the summer. Quaint little plants, with a rosette of leaves at the base, and the thickly doubled, gaily colored, button-like flowers carried above on stiff but graceful stems. So hardy that if covered with a little litter it will survive the winter and last for several years. Better results, however, are obtained with yearly plantings. Excellent for borders. Flowers are one to 1 1/2 inches in diameter. Pkt., 10c.

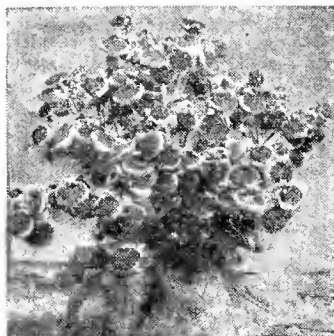
BOLTONIA (FALSE CHAMOMILE)

Asteroides. Hardy perennial. 4 to 6 ft. Blooms July to October. Thousands of white, aster-like flowers on long stems, with long grayish leaves. Makes a fine show in large perennial borders. Excellent as cut flowers. Pkt., 15c.

BRACHYCOME

Swan River Daisy. Dwarf - growing, free-flowering annual, about 12 inches high; literally covered during the greater part of the summer with a profusion of blue, pink, and white daisy-like flowers. Suitable for edging or small beds. Pkt., 10c.

**Brachycome (Swan River Daisy)**



Calceolaria

CALLIOPSIS

Tickseed. (20 in.) An annual, very desirable, graceful border plant, blooming abundantly all summer. The flowers are in all shades of yellow and brownish red, greatly prized for bouquets. Thrives in any soil. Pkt., 5c; $\frac{1}{4}$ oz., 20c; $\frac{1}{2}$ oz., 30c; oz., 50c.

CACTUS

We offer a mixed assortment including many fantastic and curious types. The flowers are of such exquisite beauty and delightful fragrance that they always arouse wonder and admiration. Raising cactus is not only very interesting but quite easy. Grown indoors. Start in sand and keep moist until after germination. Then transplant to soil. Very little watering required. When transplanting, a variety of types may be grouped interestingly in an ornamental bowl as shown in the accompanying illustration. Pkt., 10c.

CALCEOLARIA
Pouch Flower. Tender perennial. 18 inches. Blooms May to August. A very ornamental greenhouse or conservatory plant, bearing quaintly beautiful pouch-shaped flowers, richly tigered and spotted in varying hues. Pkt., 15c.



Calliopsis



Cactus

Calendulas (Cape Marigolds)

Calendula

Hardy annual. 18 inches. Blooms all summer and late into the fall if the seed pods are kept cut off. One of the best and showiest types for the garden and for use as cut flowers. Also of great value for forcing and winter sale by florists. Well suited for pot culture. The flowers are large and double,

disk-shaped, and brilliantly colored. The plants are bushy with dense foliage.

Mixed. Several strains making a brilliant display in many colors, for garden culture. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 40c.

The Ball. (Florist's Strain.) Very large orange-yellow flowers with a lighter center. Probably the best known and most popular type for greenhouse forcing. Desirable also for outdoor culture. Pkt., 15c;

$\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

Ball's Gold. (Florist's Strain.) Extra large golden yellow flowers. Vigorous growing and long stemmed. Very fine for forcing. Excellent for growing outdoors when the season is moderately cool. Pkt., 15c; $\frac{1}{8}$ oz., 20c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

CALENDULAS—Continued

Campfire. (Florist's Strain.) The most highly developed and perfect calendula for forcing yet introduced. The flat flowers are larger than those of any other strain. They are brilliant orange with a scarlet sheen and a full yellow center. A vigorous grower. Pkt., 15c; $\frac{1}{8}$ oz., 20c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

Campanula (Bellflower)**See Color Plate**

A magnificent family, all with bell-shaped flowers, ranging from the tiniest blossoms to very large ones. Included in the list are plants suited for various conditions and purposes. Some are perennials, some biennials; some tall, some dwarf. The blossoms are mostly in quiet tones of blue and white. A medium rich soil is best. Partial sunlight is sufficient.

Canterbury Bell (Campanula Medium). Hardy biennial. 2 ft. Blooms June, July. Branching plants heavily loaded with beautiful large, hanging, bell-shaped flowers in blue, lilac, white, and pink. It makes a superb show in the border. Ordinarily treated as a biennial; sowing June to September, transplanting when strong enough, and protecting with straw and litter for the winter. However, if sown indoors early and transferred to the open ground when the weather becomes warm, it will bloom the same year like an annual. Pkt., 10.

Cup and Sancer (Calycanthemum). Hardy biennial. 2 ft. Blooms June, July. A very lovely and interesting refinement of Canterbury Bell. The large cup-shaped flower is surrounded at the base by a calyx of the same color, which resembles a saucer. Treat the same as Canterbury Bell. All colors mixed (blue, lilac, white, and pink). Pkt., 10c.

Carpatica (Carpathian Harebell). Hardy perennial. Plant 9 inches. Blossom stem 12 inches. Blooms all summer. Each plant consists of a neat rosette of heart-shaped leaves, above which appear the dainty, upright, cup-shaped, light blue flowers. Splendid for edgings and rock gardens. Pkt., 10c.

Chimney Bellflower (Pyramidalis). Hardy perennial. 5 ft. Blooms August, September. Stately plants with beautiful, erect, pyramidal flowers borne closely on long spikes. Does well in a warm dry place. Blue and white mixed. Pkt., 10c.

Peach Bells (Persicifolia). Hardy perennial. 2 to 3 feet. Blooms June, July. A fine tall Campanula. The long spikes are thickly decorated with large, shallow, bell-shaped, blue flowers. Admirable for the border and for cutting. Pkt., 15c.

Blue Bells of Scotland. (Rotundifolia.) Hardy perennial. 6 to 12 inches. June to August. Dense foliage; slender branching stems covered with dainty, delicate, blue flowers. Very nice for the rock garden. Pkt., 15c.

Annual Canterbury Bell. See Novelty, Page 66.

CANARY BIRD FLOWER

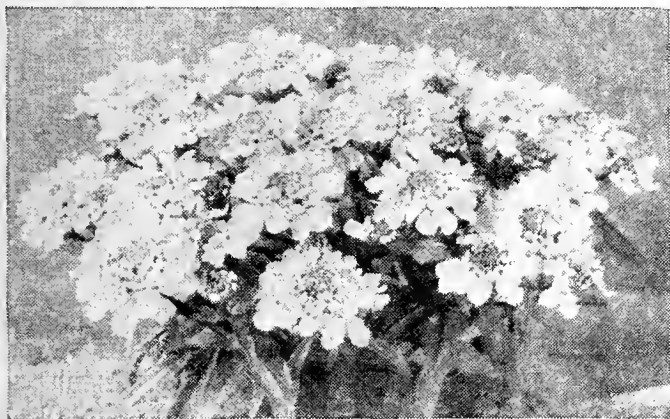
(15 to 20 ft.) The popular name given this pretty annual alludes to its supposed resemblance to birds with wings expanded. Valuable trailer and climbing vine. They bloom all the summer and fall. It grows well in any warm, sunny situation. Easily trained to run in any direction you desire. Pkt., 10c.

The School Girl's Flower Garden**50c POSTPAID**

10 packets of easily grown annual flower seeds, containing Dwarf Nasturtium, Sweet Alyssum, Strawflowers, Bachelor Buttons, Poppy, Petunia, Salpiglossis, Cosmos, Calendula and Four O'Clock. An Exceptional Value. No Changes Allowed.

CANDYTUFT (IBERIS)

Umbellata. Hardy annual. 12 inches. May be sown any time in the spring. Blooming time lasts several weeks, beginning 8 weeks from seed. A second sowing, 2 weeks after



the first, is desirable. Each plant bears large quantities of four-petaled blossoms in terminal clusters. A gorgeous array can be obtained by massing in bed or border. Space 6 to 9 inches apart. In fragrance and appearance the blossoms resemble Sweet Alyssum. Also used in bouquets.

Mixed. All colors, including white and various shades of red, pink and lavender. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

Perennial Candytuft. (Sempervirens.) Hardy perennial. 12 inches. An evergreen plant producing masses of white flowers. Very desirable for rockeries or borders. Pkt., 10c.

CANNA

Tender perennial. 3 ft. A superb and stately bedding plant. Several spikes, or stalks, spring from a single root. Each spike is ornamented with broad, green and bronze leaves, and at the top, a cluster of brilliant flowers in various colors. Although Cannas are usually started from roots, they can be easily grown from seed if started indoors early. The seed should be notched at one point with a file and soaked in warm water for 24 hours before sowing. See page 93 for roots.

Giant Flowered, Mixed. Pkt., 10c; ¼ oz., 15c; ½ oz., 25c; oz., 40c.



Canna

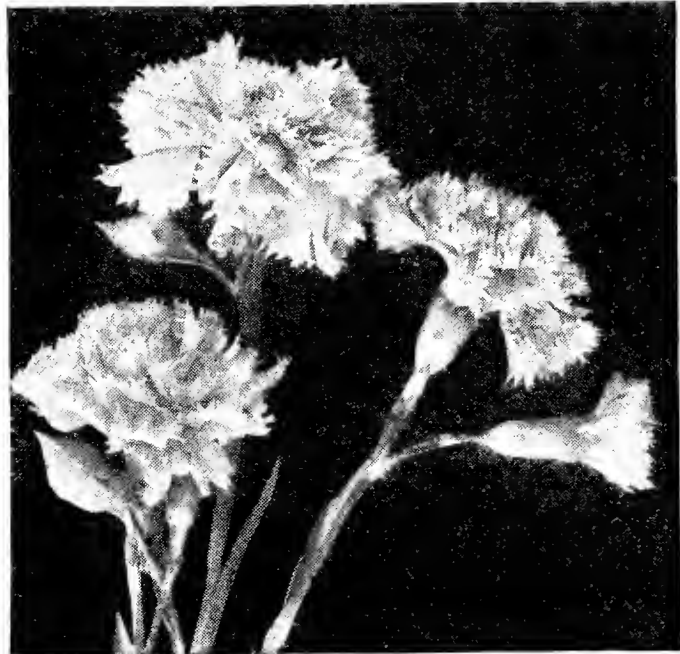
CARDINAL CLIMBER

A very attractive strong and rapid grower, attaining a height of 25 feet with beautiful fern-like foliage, literally covered with a blaze of fiery cardinal flowers from mid-summer to frost. The flowers are about an inch in diameter and borne in clusters, 5 to 7 blooms. Should be planted in a warm sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about the tenth of May. Pkt., 10c.

Cardinal Climber

Carnation

The carnation is deservedly one of the most popular of flowers, both for outdoor beds and for winter culture indoors. It is famous for the richness of its colors, the fine form of its blooms, and its delightful fragrance. In addition it is easily grown from seed, and produces an abundance of flowers continuously.

**CHABAUD'S GIANT IMPROVED**

Tender perennial. 18 inches. Blooms in 6 months from seed and continues through the summer. This type is a remarkable new development in the Carnation line. The plants are sturdy and erect; the stems slender, but extremely stiff; and the flowers double, large, and gorgeously colored in white, salmon, rose, scarlet, and yellow. The blossoms often measure 2½ inches in diameter even without disbudding, and they are produced in continuous profusion. They have a rich, clove-like fragrance. All colors mixed. Pkt., 20c.

GIANT MARGUERITE

Tender perennial. 20 inches. If planted in March, blooms in July; continues all summer, and through the winter if transplanted indoors. A great favorite with the amateur. Long, strong stems bearing unusually large double flowers, sometimes three inches across. These are beautifully formed, deeply fringed, and sweet-scented. They present a magnificent array of colors, including white, pink, crimson, scarlet, and yellow. All colors mixed. Pkt., 10c.

IMPROVED EARLY DOUBLE

Hardy perennial. 15 to 18 inches. Perpetual flowering. Large-sized, double flowers; sweet-scented, richly colored. Cannot be excelled for indoor potted plants; fine also for outdoor beds. The plants last for many years. Flowers 5 months from seed. A very beautiful and popular variety. All colors mixed. Pkt., 10c.

CASTOR BEAN (RICINUS)

Zanzibarensis. Tender perennial. 10 ft. A new giant castor plant from Africa. Produces a remarkably large growth in a single season. The leaves are large and spreading, green and bronze. Very ornamental and exotic. Start in winter in pots and transplant outdoors in May. Needs richly manured soil and plenty of water. Pkt., 10c; ½ oz., 15c; oz., 25c.



Catchfly (Silene)

CATCHFLY (SILENE)

Schafta (Autumn Catchfly). Hardy perennial. 6 to 8 inches. Blooms July to October. A charming autumn plant for the border or rockery, producing masses of bright pink flowers. Pkt., 15c.

Acaulis. See "Seeds of Alpine Plants for Rock Gardens," page 85.

Celosia

A class of hardy annuals providing very interesting and spectacular plants with unique, gorgeously colored blooms. They make magnificently decorative beds and borders; blooming brilliantly from midsummer till frost. A light soil, not too rich, is best. For early flowers, sow in hotbed in March and transplant when ground is warm.



Chinese Woolflower (Childsii). 2 to 3 ft. A bed of these makes an imposing array of resplendent crimson, fluffy balls, mingled with green foliage. The plant is about as broad as it is long, and each branch and lateral bears at its tip one of those superb red plumes. Very effective for central groups. As an everlasting flower, it makes excellent winter bouquets. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

Ostrich Plume (Celosia Plumosa). 2 1/2 to 3 ft. A selection of the tallest and finest plumed celosias other than Chinese Woolflower. The plants are large and well formed, with a pyramidal shape, and each bears numerous large plume-like blossom-heads in brilliant color. Our assortment ranges through pale yellow, pink, scarlet and crimson. Very stately and elegant for large beds and groups. Used also for cutting and winter bouquets. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

Cristata or Cockscomb. 8 to 10 inches. A strong dwarf plant surmounted by a single ruffled velvety crest in vivid color. Very ornamental and much prized for pots and borders. We offer an assortment of all the colors, including golden yellow and various shades of red. Pkt., 10c; 1/8 oz., 35c; 1/4 oz., 65c.

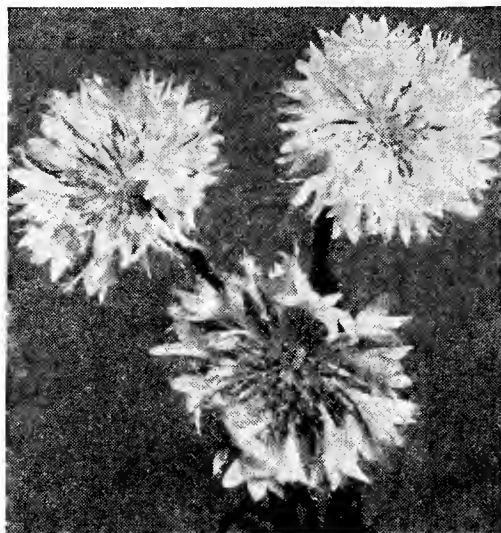
Centaurea

An important family of popular annuals. They are excellent for beds and edgings. The flowering types make desirable cut flowers. All are easily grown from seed.

BACHELOR BUTTON or CORNFLOWER

Centaurea Cyanus. Hardy annual. 2 ft. Produces large, handsome, double blossoms, nice for the garden and splendid for cutting. To secure continuous flowering, sow every three weeks beginning early in May. The plants are easy to grow and to some extent resow themselves. They thrive in any soil and resist drought. Our mixture includes all colors. Pkt., 5c; 1/2 oz., 25c; oz., 45c.

Double Blue. The same as above, in blue alone, the most popular and attractive color. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.

**Bachelor Button**

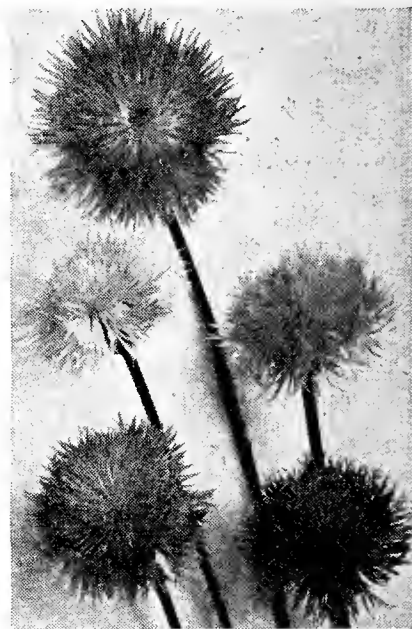
red, lavender, and purple. The delicately sweet-scented flowers are admirable for cutting, keeping a week or more if cut just before the buds open. A rich loose soil is best. Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c.

**DUSTY MILLERS
(WHITE-LEAVED
CENTAUREAS)**

Foliage plants widely used for edgings. They are particularly effective when grown as a margin for beds of large flowers with dark leaves and bright colored blossoms. Also attractive in pots and hanging baskets.

Candidissima. Hardy annual. 10 inches. Compact plant with broadly cut, silvery-white leaves. Pkt., 10c.

Gymnocarpa. 18 inches. Silvery-gray, finely indented, fern-like foliage. Graceful, arching plants. Attractive in window boxes with flowering plants of taller growth. When grown indoors, it lasts for several years like a perennial. Pkt., 10c.

**Sweet Sultan****CERASTIUM**

Tomentosum (Snow in Summer). Hardy perennial. 6 inches. Blooms June, July. A rapid growing creeper whose silvery leaves and small white blossoms lend a snowy effect in edgings, or in sunny nooks in the rock garden. Pkt., 15c.

CHRYSANTHEMUM (PAINTED DAISY)**See Color Plate**

Hardy annual. 2 to 2 1/2 ft. Blooms all summer. Very free-flowering plants bearing on long stiff stems a profusion of lovely single blossoms like large daisies. The flowers

**Chrysanthemum (Painted Daisy)**

have zones of bright contrasting colors surrounding a central disk of another hue. Our mixture contains many different color combinations. They make a very showy effect in the border. Also excellent for cut flowers and bouquets. Not to be confused with the autumn-flowering perennial chrysanthemums. (See Shasta Daisy and Chrysanthemum Japonicum.) Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 35c; oz., 60c.

**CINERARIA**

Tender perennial. 16 to 24 inches. A very decorative plant for greenhouse and indoor pot culture (keep in a cool place). Large velvety leaves are clustered at the base, and over them is massed a gorgeous array of large daisy-like flowers in striking color contrasts. We offer all color combinations, mixed. Pkt., 10c.

CLARKIA, DOUBLE

Hardy annual. 2 ft. This charming plant has of late years been much improved and now deserves a much greater popularity. It is of erect, branching habit with light green foliage. The double blossoms, borne in profusion along the stems, have a refined, carnation-like loveliness. Our mixed assortment includes the whole range of delicate colors. Very desirable for borders and good for cut flowers. Easily grown. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.



Clarkia, Double



Cobaea Scandens

COBAEA SCANDENS

(25 ft.) One of the most beautiful and rapid growing climbers. With very large purplish lilac bell-shaped flowers. It is a very rapid grower, and consequently is well adapted during our summers to warmest and the sunniest situations out of doors. The seed should be sown edge-wise. Pkt., 10c.

COLEUS

Tender perennial. 12 inches. A very ornamental foliage plant for indoor culture. Gives a satisfactory growth from seed the first year. The leaves are heart-shaped and large, often measuring 8 by 10 inches; richly and variously colored in shades of green, red and yellow. When the weather has become warm, the plants may be transplanted to window boxes or protected borders, in partial shade. Finest varieties mixed. Pkt., 15c.

CRYSTAL PALACE COMPACTA

(4 in.) Dark blue strain with bronze foliage; particularly desirable for edging beds. Pkt., 10c.



Coleus

COLLINSIA

Hardy annual. 18 inches. May be sown spring or autumn; blooms early. A pretty wildflower which lends a touch of informality to the garden. Particularly suited to growing in clumps. The central, erect spikes are surrounded by rings of two-toned flowers. Foliage is dark green. Prefers a dry place. All color combinations, mixed. Pkt., 10c.

COREOPSIS**Lanceolata Grandiflora.**

Hardy perennial. 2 feet. Blooms June to October. Large orange-yellow flowers, with broad petals lanced and fluted, borne gracefully on long stems. Its brilliance and long flowering season make it highly desirable for bedding and border, while its ability to remain fresh in water recommends it as a cut flower. Pkt., 10c.



Coreopsis

Cosmos

Cosmos, Double

DOUBLE EARLY FLOWERING

This new variety grows about three feet tall, forming a bush with massed blooms. The flowers are of good size and borne on long stems. Seventy days is required from the time of planting the seed to bring them to bloom. All colors mixed. Pkt., 10c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 75c.

SINGLE EARLY FLOWERING

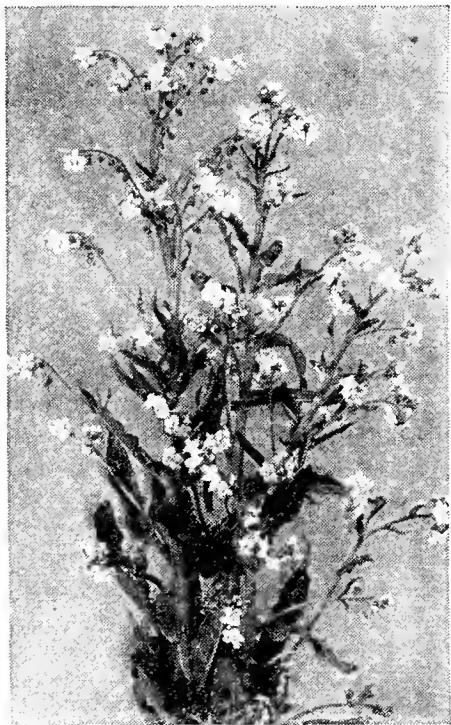
(4 ft.) This is a popular plant and a very strong grower, and a profuse bloomer. Both foliage and the flowers are beautiful for bouquets and vases. The seed grows readily anywhere. All best mixed. Pkt., 10c; $\frac{1}{4}$ oz., 20c; $\frac{1}{2}$ oz., 30c; oz., 50c.



Cyclamen

CYCLAMEN

One of our most beautiful and prized house plants, with beautiful foliage and richly colored flowers. They may be successfully grown with a little care and patience, transplanting as the plant develops. Do not attempt to grow this out of doors. Extra choice exhibition mixture. Pkt., 15c.



Cynoglossum

CYNOGLOSSUM (CHINESE FORGET-ME-NOT)

Amabile, Blue. A beautiful, strong plant of bushy habit, producing large sprays of bright blue flowers like Forget-me-nots, but larger. A splendid addition to the garden border. Used as cut flowers, with 18-inch stems, it is very desirable. Adds a lovely touch when mixed with other flowers in bouquets. Pkt., 10c.

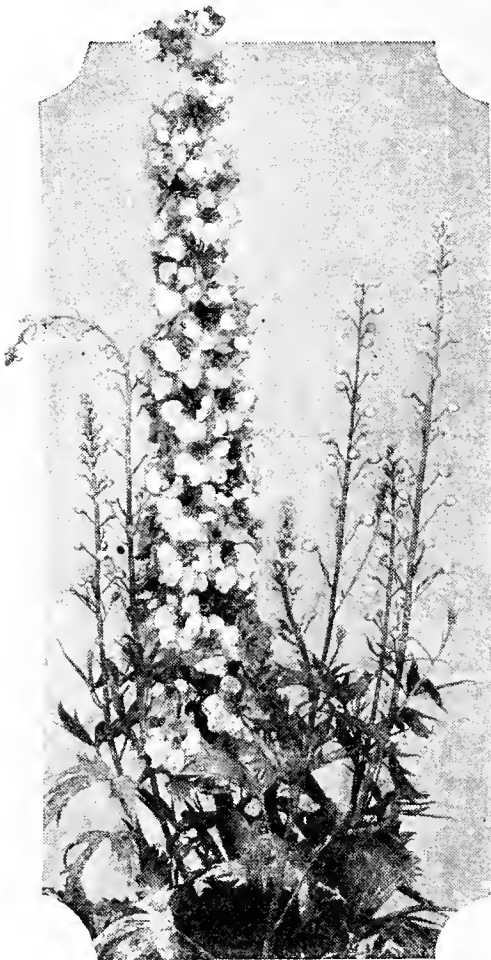
CYPRESS VINE

(Ipomoea Quamoclit.) Hardy annual climber. 10 ft. A very graceful, rapid-climbing vine producing a profusion of small star-like flowers, in scarlet and white, mingling with the soft deep green, fern-like foliage. It is of twining habit and readily climbs a stretched cord or light trellis. May also be grown in porch boxes and hanging baskets. Very popular and desirable. Pkt., 10c.

DAHLIA, DOUBLE

Tender perennial. 3 ft. Blooms August, September. Dahlias are usually grown from roots, and few people realize how easily they can be grown from seed to bloom the first year. Sow in hotbed or cold frame in March and transplant outdoors in May. They then come into their full glory in late summer and fall, just when other flowers are fading. Finely formed double blossoms, loosely fluffed, in a variety of rich, gorgeous colors. Store roots over winter in a dry cellar. Pkt., 10c.

Dahlia Roots. See page 93.

**Delphinium
(Perennial Larkspur)**

Delphinium

Hardy perennial. In bloom June, July. Few flowers can challenge the supremacy of these Delphinium hybrids for stately beauty in the garden. The tall erect stalks, garlanded at the base by deeply notched, dark green leaves, rise into magnificent floral spikes, thickly adorned on every side by a mass of lovely blooms. A Larkspur border, planted with our different strains, will be a symphony of delightful color. Our types are also popular for cut flowers.

Seed sown in the summer or fall will produce blooms early the following summer. A sowing in the hotbed in February will come into blossom the same year. The plants are hardy and will thrive in almost any situation or soil. However, a good rich, deep soil will give the best specimens. If the flower spikes are removed just before they go to seed, there will be a second blooming the same season.

MEADOWVALE HYBRIDS

(Illustration on front cover.) 4 to 6 ft. Shumway's superb strain, selected and cross-bred from the finest

DELPHINIUM—Continued

English and American specimens. The magnificent plants run true to type. In height, they are tall and uniform. In shape, they are erect and finely formed. In flowering quality, they produce long spikes thickly set with large and gorgeous florets. A considerable proportion of these are double. They range in color from light shades of turquoise blue to indigo and from pale lavender-pink or violet to reddish-purple, with numerous interesting blends and variations. Many of the blossoms have contrasting centers, some the white eyes, some the dark bees. Pkt., 30c.

WREXHAM or HOLLYHOOK STRAIN

4 to 6 ft. A splendid variety, notable for the height and sturdiness of the stalks and the large size of the florets, characteristics suggesting Hollyhock. The plants are of uniformly fine type and large size, and the spikes have a distinct spire-like shape. The blossoms, often double, are long and broad, spreading out to a diameter of 1½ or 2 inches. They are arrayed in a brilliant range of colors, with varying shades and combinations of blue and lavender, the soft light blues predominating. Pkt., 25c.

BLACKMORE and LANGDON STRAIN

4 to 6 ft. A carefully selected type, originated by the English specialists for whom it is named. It has long stalks and floral spikes, and is especially prized for the delicate, soft, clear shades of blue and lavender, set off by dark contrasting bees, which characterize its florets. Pkt., 25c.

**SHUMWAY'S GOLD MEDAL
HYBRIDS**

2 to 5 ft. A special selection of fine hybrid Delphiniums. The strong stately stalks are thickly set with blossoms for a large portion of their length. These hybrids display in their florets the whole series of Delphinium colors from pale blue and lavender to the deeper hues of royal blue and purple. Pkt., 10c.

ECHINACEA PURPUREA

(Purple Coneflower.) Hardy perennial. 3 to 4 ft. Blooms July, August. Vigorous growing plants for the border or wild garden. The flowers have reddish-purple petals set off by a dark central disc, and they are clustered in large heads. Desirable for cut flowers. Pkt., 15c.

ECHINOPS (GLOBE THISTLE)

Ritro. Hardy perennial. 3 to 4 ft. Handsome, thistle-like plants well adapted for the background of the hardy border. The leaves are large, deeply cut, and prickly. The blossom heads are a globular mass of thickly set needles in a deep, metallic blue color. They make attractive cut flowers and may be dried for winter bouquets. Pkt., 10c.

Mixed Everlasting Flowers

In years past we have had many requests for a packet of Mixed Strawflowers, in other words flowers that will dry for winter bouquets. We now offer to the gardening public just such a packet. All of the varieties of Strawflowers listed in our catalog are represented in this article. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

DIDISCUS or BLUE LACE FLOWER

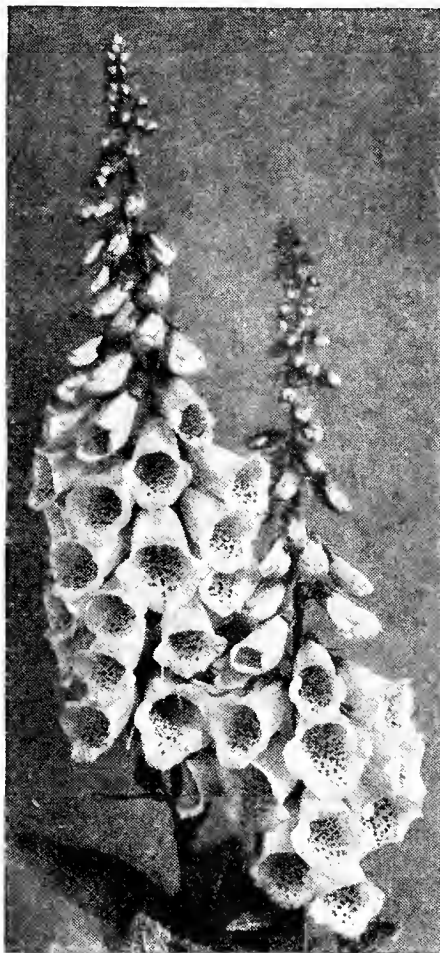
Hardy annual. 2½ ft. Sown after danger of frost is past, it will bloom continuously from June to October. A very graceful, dainty, heavenly blue flower, producing lace-like parasols of clustered florets at the end of each shoot. The individual florets are long thin tubes with flaring faces, and together they make a closely grouped blossom-head nearly 3 inches across. Easily grown and long blooming, Didiscus is ideal for the flower garden. It is also desirable for cut flowers, since it has long stems and keeps well in water. If cultivated indoors in pots, it will supply winter blooms. Pkt., 10c.

DIGITALIS or FOXGLOVE

Gloxiniaeflora. Hardy biennial. 2 to 4 ft. Blooms June, July. There is a quaint charm about Foxglove that revives memories of old-fashioned gardens. Beautiful pendant bell-like flowers cluster thickly about long spikes. These blossoms are colored in white, lavender, rose, and yellow, and they are prettily speckled within the bells. The plants will do well with little attention under almost any conditions, but prefer partial shade. Especially desirable for naturalizing in hardy borders, among shrubbery, and at the edge of wooded spots. Pkt., 10c.

ESCHSCHOLTZIA

(California Poppy.) Hardy annual. 12 inches. Blooms July until frost. A profuse blooming, bright colored, poppy-like plant which grows wild in California and is so popular there that it has been named the state flower. Elsewhere it is an excellent garden plant for beds, masses, or edgings. It has lacy, blue-green foliage, and the blossoms are saucer-shaped and satiny. Very desirable for cut flowers (cut while in bud). It does well in any sunny spot, but should not be transplanted. Our mixture contains all the finest strains and colors, including various shades of yellow, gold, and orange. Pkt., 5c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

**Eschscholtzia****Digitalis or Foxglove****FORGET-ME-NOT**

(*Myosotis Alpestris*.) (4 to 9 in.) One of the best spring flowers when grouped with Pansies and Daisies. This variety is of trailing habit and is well adapted to covering large patches where they will bring about a sea of beautiful dainty blue flowers. They thrive nicely and flourish well in shady moist situations. Very desirable for edging in the landscaping or to be used in planting around the lily pool. This is the national flower of Belgium. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

**Forget-Me-Not****Didiscus or Blue Lace Flower****EUPHORBIA**

Strong growing annuals distinguished for their striking, richly colored foliage. The flowers are inconspicuous. Interesting and attractive color contrasts can be obtained by mixing these types in beds or borders with brilliant-flowered plants.

Variegata (Snow in the Mountain). Hardy annual. 2 ft. Fine bushy plants with broad green leaves becoming, as they mature, increasingly tinged and edged with silvery white. Attractive when planted with pink Geraniums or Petunias. It needs plenty of sunlight but grows well in soil that is rather dry and poor. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

**Euphorbia**

Heterophylla (Annual Poinsettia or Mexican Fire Plant). Hardy annual. 2 ft. The branching plants resemble the beautiful hothouse Poinsettia. The leaves are at first a smooth, glossy green, but about midsummer the upper ones turn to flaming orange-scarlet. This type is also well suited for indoor pot culture. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.

EUPATORIUM, AGERATORIDES

(*Thoroughwort*.) (White Snake Root.) A strong growing border plant, suitable for cutting. They bear Ageratum-like heads of minute flowers. Thrive well in any garden soil, however, prefer shade. Height 2 feet. Pkt., 10c.

DOUBLE WHITE FEVERFEW

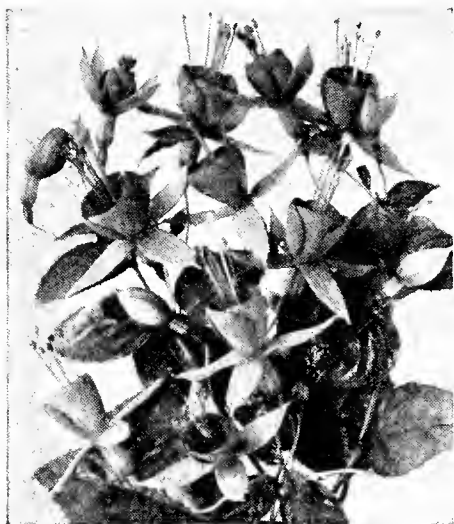
(*Matricaria*.) *Capensis*. Hardy perennial, but should be treated as an annual. 2 ft. Blooms June to October. Erect, bushy plants with finely cut, dark green foliage, and large, white, double flowers. It makes fine, long-stemmed, all-season, cut flowers, and mixes well in vases and bouquets with brightly colored blooms. Very attractive in the garden too. Pkt., 10c.

SCARLET FLAX

(2 ft.) Also known as the Dwarf Flowering Flax. One of the most showy, brilliantly colored summer annuals. The flowers, dazzling red in color, are borne in profusion from May to October by making successive sowings. Pkt., 7c.

FOUR O'CLOCKS

(Marvel of Peru.) (2 ft.) An old fashioned flower of bushy habit. Flowers of white, yellow, violet and crimson, borne in great quantity all during the summer. This makes a very attractive hedge plant. The glossy foliage dotted with hundreds of flowers make an attractive sight. All colors mixed. Pkt., 5c; ½ oz., 15c; oz., 25c.

**FUCHSIA**

Tender annual. A well known greenhouse plant that will bloom the first year if planted early. The seed must not be sown in the open ground. The plants, however, may be transplanted to summer beds in partially shaded spots. They lend an attractive touch of color in hanging baskets and porch boxes. Pkt., 15c.

GAILLARDIA

(Blanket Flower). (2 ft.) This valuable perennial has a very long flowering period from June till October. Blossoms a bright yellow with maroon centers, are very attractive and gay. Easily grown in ordinary soil, as beds or borders. Pkt., 10c.

GAILLARDIA

(Annual). This annual which grows about 1½ ft. tall is one of the most profuse bloomers of the flower garden. The colors of this beautiful annual may



Gaillardia
Blanket
Flower

be likened to the sunset colors as they are in all of the shades of red, yellow, pink and orange. The foliage is gray-green and quite abundant, making them desirable for cut flowers. A very desirable flower to be grown in solid beds or in the foreground of a hardy border where they will live the colors after perennials have passed their blooming stage. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; 1 oz., 75c.



Gaillardia (Annual)

GENTIANA (BLUE GENTIAN)

Acaulis. Hardy perennial. 4 inches. Blooms May, June. Lovely, large, bell-shaped blossoms in a beautiful shade of blue, perhaps the most beautiful blue found in any flower, marked on the inside with yellow. The leaves form attractive rosettes of glossy deep green under the blossoms. Superb for the border or rock garden. Needs partial shade and good rich soil. To hasten germination, soak the seed before planting. Do not transplant. Pkt., 15c.

Septemfida. See Alpine section, page 85.

GERANIUM

Tender perennial. 2 ft. Blooms July till frost. Although usually propagated from slips, Geraniums can easily be grown from seed to bloom the first year if started early indoors. Very desirable for boxes and hanging baskets as well as beds. Should be taken inside before frost. The bright-colored flowers form rounded, phlox-like clusters carried on strong stems. In color, the reds predominate, but there are also oranges, pinks, and whites. Finest varieties mixed. Pkt., 10c.

Geum

Geums belong to the Rose family. The varieties we are offering are showy, free flowering, producing quantities of attractive flowers which are very desirable for cutting. The plants are of a tufted habit with pinnate leaves. This hardy perennial is desirable for border culture. The blooms after cutting are inclined to wilt unless the stems are immersed for a while in warm water.

LADY STRATHEDEN

(Golden Ball.) (2 ft.) The flowers are double; a delicate shade of golden yellow. Pkt., 15c.

Mrs. Bradshaw. (2 ft.) The flowers of this variety are very large, double, orange-scarlet in color. Pkt., 15c.



Gilia Capitata

GILIA CAPITATA

A graceful annual, which grows about 2 feet tall. A fine feathery foliage. Blooms freely over a long season, blossoms about 1 inch across, lavender-blue in color. The flowers last over a long period of time after being cut, retaining their color when dry. Pkt., 10c; ½ oz., 20c; ¼ oz., 30c; ½ oz., 50c.

GLOBE AMARANTH OR GOMPHRENA

Beautiful and useful, everlasting. Some call it English Clover. Gather the heads before fully expanded to dry for winter bouquets. They expand in drying, and preserve an intensely bright color, which is preserved for years. All colors, mixed. Pkt., 10c.



Globe Amaranth

GLOXINIA

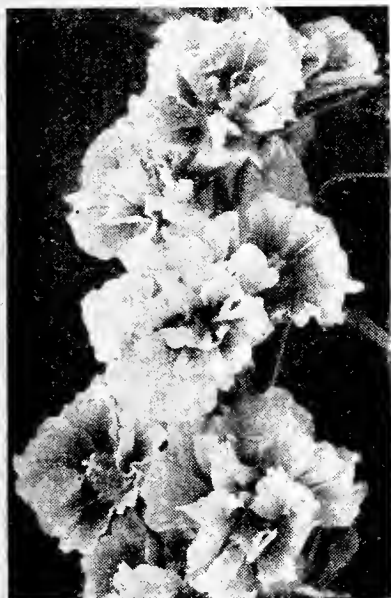
Hybrida Grandiflora. Tender perennial. 10 inches. Gorgeous greenhouse plants, producing large, beautiful, velvety, trumpet-shaped flowers in rich and varied colors. Each plant is ringed at the base with large dark green fuzzy leaves from which rise numerous flower stems. The amateur can grow them from seed in the house with a little care. Sow in a seed bed of very rich soil composed of leaf mold, peat and loam, and transplant to pots. In watering never wet the leaves. The plants need cool air and plenty of moisture. Our mixture includes all the colors: purplish-violet, lilac, pink, and crimson. Pkt., 15c.



Gloxinia

GODETIA

An attractive hardy annual which deserves extensive cultivation. The plants are about 1½ feet tall blooming very profusely and bearing flowers of a satiny texture, in many rich and varied colors, particularly in the shades of red and pink. They do their best in a rather poor soil. Pkt., 10c.



Godetia

Paniculata Flora Plena. (Baby's Breath). Hardy perennial. 3 ft. It forms half globes of fine-meshed bunches which are covered during July and August with a silvery cloud of bloom. It will blossom the first year if sown early. Many of its tiny white florets come double. Exquisite effects can be obtained by mixing sprays of it with other flowers in bouquets. The sprays keep well in water, and they make fine dried flowers. Pkt., 10c.



Gypsophila (Baby's Breath)

Elegans Grandiflora Alba. (Angel's Breath). Hardy annual. 2 ft. An improved, large flowering pure white strain. Sow at intervals for a supply throughout the summer. Very free flowering. Pkt., 5c; ½ oz., 20c; oz., 35c.

HELICHRYSUM

Monstrosum. Are lovely everlasting flowers, and very ornamental in the garden, they are much admired for the beauty of their flowers when dried. Gather them when first open. They retain color for years. Mixed, packet, 10c; ¼ oz., 20c; ½ oz., 30c; 1 oz., 50c; oz., 85c.



Helichrysum

HELENIUM (SNEEZEWORT)

Autumnale Superbum. Hardy perennial. 3 to 5 ft. Blooms late in the summer. A strong growing, branching plant producing a profusion of flowers in large clusters. Each blossom, golden-yellow in color, has a single row of broad petals surrounding a globular center. Useful in the hardy border and suitable for cutting. Pkt., 10c.

HELIOTROPE

(18 in.) Profuse flowering plants; deliciously fragrant. Is splendid for bedding; ribbon-borders; vases, or house culture. Seeds sown in spring will be fine for summer and fall decorations. Choice mixed, pkt., 10c.



Heliotrope

HELIPTERUM (EVERLASTING)

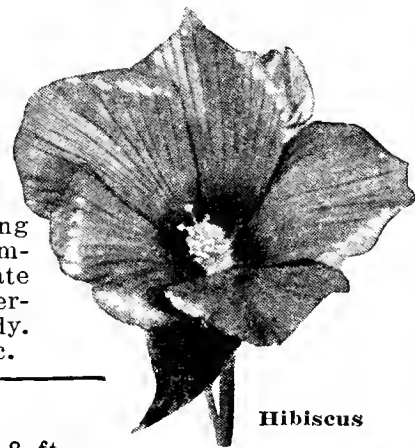
Sanfordii. Hardy annual. 18 inches. Blooms right through the summer until frost. The large heads of bright yellow flowers are very pretty in the border. Will bloom in 8 to 10 weeks from seed. An excellent everlasting type, very suitable for winter bouquets. A native of Australia. Pkt., 10c.

HEUCHERA

Coral Bells. A neat growing graceful flowering perennial bearing an abundance of flowers suitable for cutting. Heart-shaped leaves. Exceptionally fine for the rock garden or where 18 inches to 2 feet is desired in the hardy border. Colors are flesh-pink through to deep crimson. Pkt., 30c.

HIBISCUS

Marshmallow or Rosemallow. The flowers are of enormous size, often 10 to 12 inches in diameter. The colors are in a rich dark red; mallow-pink and pure white; the plants grow from 5 to 8 feet high carrying a great many blooms, blooming from early July until late in the autumn. This is a perennial and is perfectly hardy. All colors, mixed. Pkt., 10c.



Hibiscus

Hollyhock

Hardy perennials. 4 to 8 ft. In blossom the whole summer. This old-time garden favorite can never be replaced by any other flower. It is the tallest and most majestic plant that can be grown in the garden. A row of hollyhocks gives a colorful and picturesque effect in the background of a tall border, as a screen along a fence or bare wall. They should be planted before midsummer to bloom the following year. Best results are obtained with a deeply dug, richly fertilized, well drained and thoroughly watered soil.

Single Mixed. 6 to 8 ft. More permanent and hardy than the double types. The colors range through various shades of white, pink, rose, scarlet, yellow and black. Pkt., 5c; ½ oz., 25c; oz., 40c.

Double Mixed. 5 ft. The blossoms have many layers of dainty petals, beautifully rosetted. The colors include a wide variety, as the single mixed do. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c; oz., 90c. **Double Triumph.** The newest and finest of all Hollyhocks. For description see Flower Seed Novelties, page 66.



Hollyhock



Honesty



Hunnemannia

blossoms, either purple or white, grow in erect sprays, and they are followed by decorative seed pods of glossy purple. The foliage is abundant and attractive. Sow in May in permanent place. Pkt., 10c.

IBERIS

Perennial Candytuft. Dwarf evergreen plants growing 6 to 10 inches high. Very desirable for rockeries or borders. Blooms early spring and summer. Pkt., 15c.

ICE PLANT

Mesembryanthemum. (6 in.) A singular plant of spreading habit, and very effective in beds, rockwork, or hanging baskets, etc. The plants have a peculiar icy foliage, and the sun gives to them the appearance of being covered with icy crystals. The flowers are white and pink. Pkt., 10c.

IPOMOPSIS

Tree Cypress. A handsome plant with a fine feathery foliage like Cypress Vine. It has long spikes of very beautiful, dazzling scarlet fine spotted flowers. Will thrive in any soil. Pkt., 7c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



Lantana



Liatris

leaves of light green. The flowers which grow around the stalk are light lavender blooming from the top of the stalk downward rather than from the bottom upward. Pkt., 15c.

HONESTY

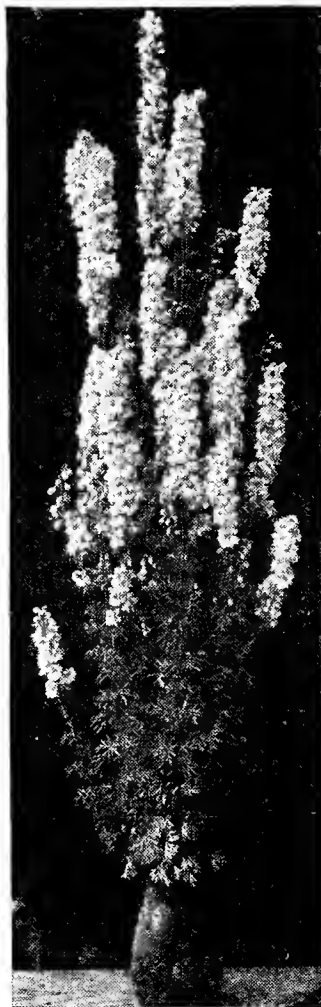
Lunaria. This bears racemes of beautiful purple flowers. The silvery seed pouches are pretty, curious ornaments for winter bouquets. Pkt., 10c.

HUNNEMANNIA

Bush Eschscholtzia or Santa Barbara Poppy Fumariaefolia. Hardy annual. 2 ft. In bloom mid-July until frost. The bushy plants shoot up long stems bearing lemon yellow, cup-shaped flowers 3 inches across. The foliage is feathery, and silvery-green in color. The plants give a most attractive effect in the border. A desirable flower for cutting, remaining in good condition for several days. Very beautiful bouquets can be made by mixing Hunnemannia with Nigella or Love-in-a-Mist. Pkt., 10c.

HYACINTH BEAN

Dolichos. Hardy annual climber. 10 ft. A rapid growing ornamental vine useful for covering arbors, trellises, etc. The



Annual Larkspur
with reddish-brown.
work. Pkt. 10c.

Mixed Varieties, All Colors. 6 to 12 inches. Plants of somewhat more trailing habit, with flowers in shades of blue, red, pink, and white, some with white eye. Foliage light or dark green. Especially desirable for rock gardens and hanging baskets. Pkt., 10c.

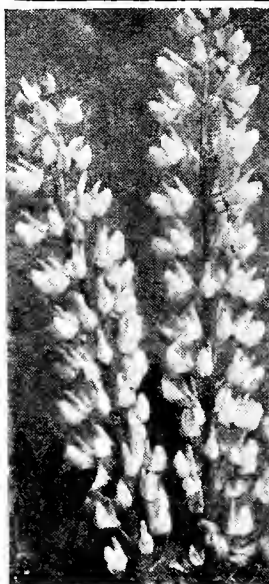
LOPHOSPERMUM SCANDENS

Climbing Foxglove. Half hardy annual climber. 10 ft. A handsome vine with large pink Foxglove-like blossoms. Very decorative. Pkt., 10c.

LINUM

Blue Flax (Perenne). Hardy perennial. 18 inches. Blooms May through August. Bushy plants with feathery foliage; covered with many dainty light blue flowers, veined darker and light-centered. The individual blossoms are short-lived but new ones appear in rapid profusion. Very fine for dwarf perennial beds and rockeries. Pkt., 10c.

Scarlet Flax (Grandiflorum Rubrum). Hardy annual. 18 inches. Succession plantings will give continuous blooming from May until October. A very brilliantly colored and attractive plant for beds and low borders. Glossy, bright red, saucer-shaped flowers grow in clusters on delicate stems with lacy foliage. Used also for cut flowers. Pkt., 5c.



Lupins

Annual Larkspur

Giant Imperial or Spire. This is the group of Larkspur that has the base branching habit and grows its stalks as the cut above shows. Particularly nice for the garden and especially select for the florists for indoor forcing. Offered in the following separate colors only.

White Spire. Blue Spire.
Lilac Spire. Exquisite Rose.
Exquisite Pink.

Pkt. each of any variety, 15c; ¼ oz., 50c; ½ oz., 90c; 1 oz., \$1.60; oz., \$3.00.

Annual or Double Larkspur. These are very effective in borders and planted amongst shrubs. The spikes of bloom are very desirable for mixed bouquets. They continue flowering over a long period. Sow seed in the open ground either in the late fall or early spring so that germination might take place as early in the spring as possible. Pkt., 10c; ½ oz., 40c; oz., 75c.

Lobelia

Hardy annuals. Small, bushy or slightly trailing plants covered with dainty blossoms. They make very attractive and useful decorations for rock gardens, edgings, hanging baskets and pots. If the plants are cut back occasionally and given plenty of water, they will bloom all summer.

Crystal Palace Compacta. 4 inches. Very trim, compact plants with deep blue flowers and dark foliage tinged Admirable for edgings and ribbon

Lupins

Perennial Lupin. One of our most beautiful hardy border plants having soft green foliage from which rise continuous spikes of bloom from June to September. The Perennial Lupin plants should not be disturbed after they are established. We are offering this beautiful perennial in the following colors.

Blue—Height, 3 ft. Pkt., 10c.

White—Height, 2 to 3 ft. Pkt., 10c.

Rosens—Height, 4 ft. Light and dark rose flowers carried on long stems. Pkt., 15c.

Luteus. Height, 3 ft. (New.) A strain of yellow shades. Pkt., 15c.

Perennial Mixed Lupins. This is a particularly fine blending of all of the colors. A fine value. Pkt., 15c.

Annual Lupins. Free flowering annual, growing about 2 feet tall, producing spikes of various colored pea-shaped flowers. Delightful for cutting. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

BALCONY
VARIETY of
PETUNIA
Pkt., 10c, post-
paid.

DAHLIA-
FLOWERED
ZINNIA

Pkt., 10c; 1/4 oz.,
25c; 1/2 oz., 40c; 1/2
oz., 75c; oz., \$1.40,
postpaid.

ORIENTAL or
PERENNIAL
POPPY

Pkt., 10c, post-
paid.

ANNUAL
CHRYSANTHE-
MUM

Pkt., 10c; 1/4 oz.,
20c; 1/2 oz., 35c;
oz., 60c, postpaid.

SALPIGLOSSIS

Pkt., 10c; 1/4 oz., 20c; 1/2 oz.,
30c; 1/2 oz., 50c; oz., 90c,
postpaid.

← SCABIOSA or MOURNING
BRIDE

Pkt., 10c; 1/4 oz., 25c; 1/2 oz.,
40c; oz., 75c, postpaid.

↑ PYRETHRUM
ROSEUM
Pkt., 10c, post-
paid.

→ ANNUAL
CANT-
ERBURY
BELL
Pkt., 10c,
postpaid.

← AQUILEGIA LONG SPUR
Pkt., 10c; 1/8 oz., 25c; 1/4 oz.,
40c; 1/2 oz., 75c; oz., \$1.25,
postpaid.

SALVIA
SPLENDENS
Pkt., 10c; 1/8 oz.,
30c; 1/4 oz., 50c;
oz., \$1.65, post-
paid.

LOVE LIES BLEEDING

Annual. Has long drooping panicles, or fine chains of flowers; very attractive, giving a garden an imposing, graceful appearance. Well adapted to any soil, location or climate. **Pkt., 10c.**

LYCHNIS (JERUSALEM CROSS)

Chalcedonica. Hardy perennial. 2 ft. Blooms June to August. Fiery red flowers in the form of a Maltese cross, growing in large clusters. They make a brilliant display when massed in beds or borders. Will bloom from seed the first year if sown early. **Pkt., 10c.**

Marigold

Tagetes. Hardy annuals. A most useful and colorful class of plants. At a time when most other garden flowers are fading, Marigolds are in their full glory. The African varieties are tall and have large self-colored blossoms in rich hues. The French types are often elegantly arrayed in contrasting stripes and spots. Striking effects can be obtained by grouping Marigolds with Larkspurs, Zinnias or other gorgeously colored flowers, either in the garden or the vase.

African Tall Double. 2½ ft. In bloom late summer and fall. Large, finely formed, uniformly double flowers on long stems. The quilled petals are closely packed. Colors are pure lemon and bright orange-yellow. They make a fine show in beds and borders.

Orange Ball. **Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.**

Lemon Ball. **Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.**

Mixed. **Pkt., 10c.**

French Tall Gold-Striped. See Novelties, page 66.

Dwarf French (Double and Single Mixed). 9 to 12 inches. In bloom from early summer until frost. The compact bushy plants carry many small, bright-colored flowers. The single specimens have golden-yellow petals and are marked at the center with reddish brown. The double ones come in shades of wine or yellow, sometimes two-toned. Valuable for beds, borders, and window boxes. **Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.**

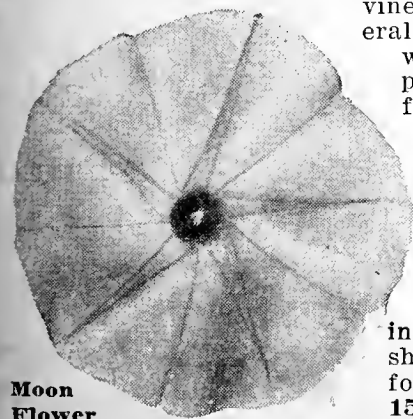
Guinea Gold. A superb new type. See Novelties, page 66.

MIGNONETTE

Reseda. (18 in.) No annual flower garden is complete without this very fragrant flower in it. While the flower is not particularly beautiful it is very remarkable in odor. This is used extensively by bee keepers as a honey-producing plant. **Pkt., 5c; ½ oz., 15c; oz., 35c; ¼ lb., 85c.**

MOON FLOWER

Grandiflora. (15 to 20 ft.) A climber of very rapid growth blooming at night and dull days. The vines are literally covered with large pure white fragrant flowers 5 to 6 inches across. Seed should be soaked in warm water for 24 hours before planting. The seed, the size of a pea, should be notched with a file before soaking. **Pkt., 10c; ½ oz., 15c; oz., 25c.**



Moon Flower



Marigold



Mignonette

MONARDA HYBRIDA

Bergamot or Bee Balm. A fine perennial for naturalizing and to be used in the shrubbery borders. Flowers are brilliant scarlet, foliage is very fragrant. Thrive in sandy loam and sunny positions. Good for bees. **Pkt., 15c.**

JAPANESE MORNING GLORY

Ipomoea Imperialis.

A beautiful rapid growing annual. The flowers have a wide range of colors, some starred, others margined, as well as those in solid colors. Seed should be soaked in warm water 24 hours before using to bring about more rapid germination. The larger seed should be notched with a file before soaking. **Pkt., 10c; ½ oz., 20c; oz., 30c.**

Heavenly Blue. Some people desire the one color of this beautiful seed, therefore we are offering this separately at 10c per pkt.; ¼ oz., 20c; ½ oz., 30c; oz., 50c.



Japanese Morning Glory

MIMOSA (SENSITIVE PLANT)

Hardy annual. 12 inches. A unique plant, so sensitive that the leaves fold up when touched. It makes a pretty and amusing curiosity for the garden, or for the window indoors. Delicate lace-like foliage and small lilac-pink flowers. **Pkt., 5c.**

MUSK PLANT

Mimulus Moschatus. Tender perennial. 10 inches. A bushy plant with decorative foliage and numerous small yellow flowers giving off a musky fragrance. Prefers a moist soil in partial shade. Blooms the first season from seed. Excellent for pots and hanging baskets. **Pkt., 15c.**

Nasturtium

Especially Blended

Annual. In bloom continuously from early summer until frost. An old stand-by that never loses its popularity. The quaint blossoms in many colors, the neat, round, green leaves, and the fresh spicy odor always appeal to the flower lover. The plants bloom very quickly and succeed under almost any conditions with little attention. The dwarf varieties are excellent for edgings and low borders, while the tall trailing types are desirable for window boxes and trellises.



Nasturtium

Tall Varieties, Mixed. 5 ft. All colors. **Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c.**

Dwarf Varieties, Mixed. 12 inches. All colors. **Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., 70c.**

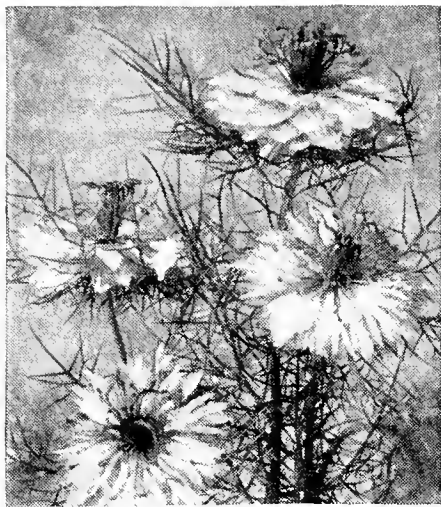
Golden Gleam. See Novelty page 66, and color plate.

NEMESIA

A delightful dwarf annual, growing about 1 ft. tall, which is very desirable for mass growing in the foreground or for edging. The flowers which are often ¾ of an inch in diameter are varied in color, rose, yellow, orange and blue. All colors mixed. **Pkt., 10c.**

NICOTIANA

Sanderae Hybrids. (2 ft.) One of the easiest annuals to raise and very attractive in the garden. The blossoms are not unlike Petunia in shape, but have a much longer tube. The flowers open late in the afternoon and the fragrance at that time is very strong. All colors mixed. **Pkt., 10c; ½ oz., 20c; ¼ oz., 35c; ½ oz., 60c.**



Nigella (Love-in-a-Mist)

NIGELLA

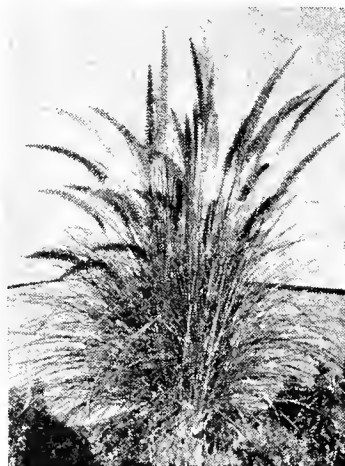
Love-in-a-Mist. Hardy annual. 18 inches. A very curious and beautiful free-flowering plant. The oddly formed blossoms of blue or white are partially veiled by the delicate, misty foliage. They make nice short-stemmed cut flowers, and produce a delightful effect when grouped with *Hunnemannia*, either in bowls or in the garden. *Nigella* thrives in almost any situation or soil. Blue and White, Mixed. Pkt., 10c.

Ornamental Grasses

These interesting grasses make splendid edgings for beds or borders of tall flowering plants. In addition they are very important as dried greenery for mixing in winter bouquets. The spikes and panicles retain their beauty in the dry state.

Agrostis Nebulosa (Cloud Grass). Hardy annual. 18 inches. An edging of this graceful, airy type, when in bloom, gives a lovely misty effect to the margin. Pkt., 10c.

Briza Maxima. Hardy annual. 12 inches. One of the best varieties for winter bouquets. Pkt., 10c.



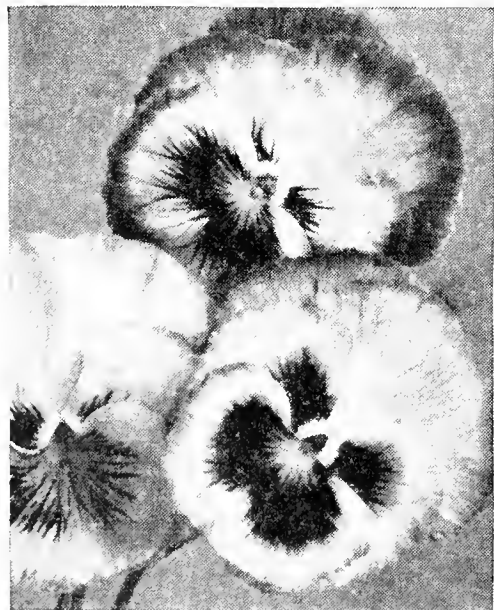
Pennisetum Ruppelianum

Coix Lachrymae. Hardy annual. 2 ft. An odd ornamental grass which bears many little flower sprays on its corn-like leaves. The flowers are followed by large, hard, pearly seeds. The leafy stems make superb greenery for bouquets when cut before going to seed. Pkt., 5c; oz., 20c.

Pennisetum Ruppelianum (Purple Fountain Grass). 3 ft. Annual in the North, perennial in warm climates. Graceful green foliage and silvery, purplish plumes. Makes very appropriate and beautiful edgings for beds of Cannas or Caladiums. For July blooms, sow in hothouse in March. Pkt., 10c.

OXALIS

(4 to 6 in.). A beautiful little flower for edgings or pots, also to be used in hanging baskets, carries a profusion of flowers all summer. Flowers are pink, yellow and white, foliage a dark bronzy green. Pkt., 10c.

Pansy

Swiss Giant (Roggli Strain)

(See Color Plate)

Hardy annual. 8 inches. In bloom June or July until frost. Such a familiar favorite as the Pansy scarcely needs description. Its colorful loveliness is indispensable in the garden. Our seed comes from the finest selected stock and produces the best plants that can be grown.

Pansies need a light soil, finely worked and well enriched. A partially shaded situation with plenty of moisture is best. The plants should not be closer than 9 inches when in their permanent places.

Pansy (Continued)

Swiss Giant (Roggli Strain). This strain, always outstanding since its introduction, has been brought to a high pitch of perfection so that it is now the supreme type among giant Pansies. The plants are compact and robust. Long, stout stems hold the large, finely formed, circular blossoms well above the luxuriant foliage. The overlapping petals are of a thick satiny texture, and they are richly painted in varied colors, the dark tones predominating. All the flowers are 3 or 5 blotched, and the color schemes are most unusual, in some cases including salmon, pink and red, colors hitherto unknown in Pansies. Excellent for greenhouse culture, and very desirable for gardens. The blooming season is very long. All colors, mixed. Pkt., 30c; 1/8 oz., \$1.25; 1/4 oz., \$2.35; 1/2 oz., \$4.50; oz., \$8.50.



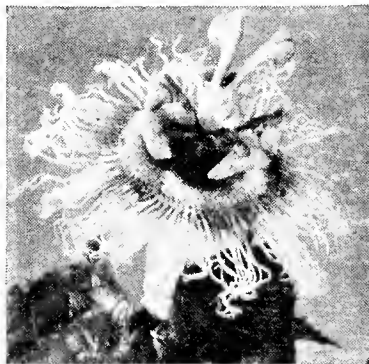
Shumway's Super Blend

Shumway's Super Blend. A mixture which represents the utmost in beauty and quality. Included in it are the other fine types we are listing, and in addition two fancy varieties, the superb frilled Masterpiece and the lovely Orchid Flowering. All the flowers are large and beautifully formed. This selection meets the highest standards and satisfies the most critical buyers. Pkt., 25c; 1/8 oz., \$1.15; 1/4 oz., \$2.35; 1/2 oz., \$4.00; oz., \$7.75.

Mammoth Exhibition Mixture. A blend made up of the largest flowering

Pansies obtainable. The flowers are round and well formed, of fine texture and solid substance, and they are dressed in the whole range of Pansy colors, including salmon, pink, and red. The plants are short and strong, with large leaves; they remain in good condition through the hot months. Pkt., 20c; 1/8 oz., 50c; 1/4 oz., 90c; 1/2 oz., \$1.75; oz., \$3.25.

Giant Trimardean. A large flowering type that is particularly robust and hardy. We offer a mixture in many colors, chiefly rich dark shades, which make a fine array in garden beds. In most specimens the three lower petals are of one shade, handsomely blotched, while the two upper ones are of a separate, contrasting hue. This variety is noted for its reliability, always giving good results. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c; oz., \$1.35; 1/4 lb., \$4.25.



Passion Flower

PASSION FLOWER

Passiflora. Tender perennial climber. 15 ft. In warm climates, this vine can be grown as a hardy type. In the North, it is used for greenhouse decoration, and for setting out in sunny situations in summer, to be trained on strings or a trellis. The blossoms are intricately shaped and a delicate sky blue in color. The graceful leaves are dark green and deeply cut. The whole effect is most attractive. The flowers are followed by decorative egg-shaped fruits. Easy to grow from seed. Pkt., 10c; 1/4 oz., 20c; 1/2 oz., 30c; oz., 50c.



Perennial Pea

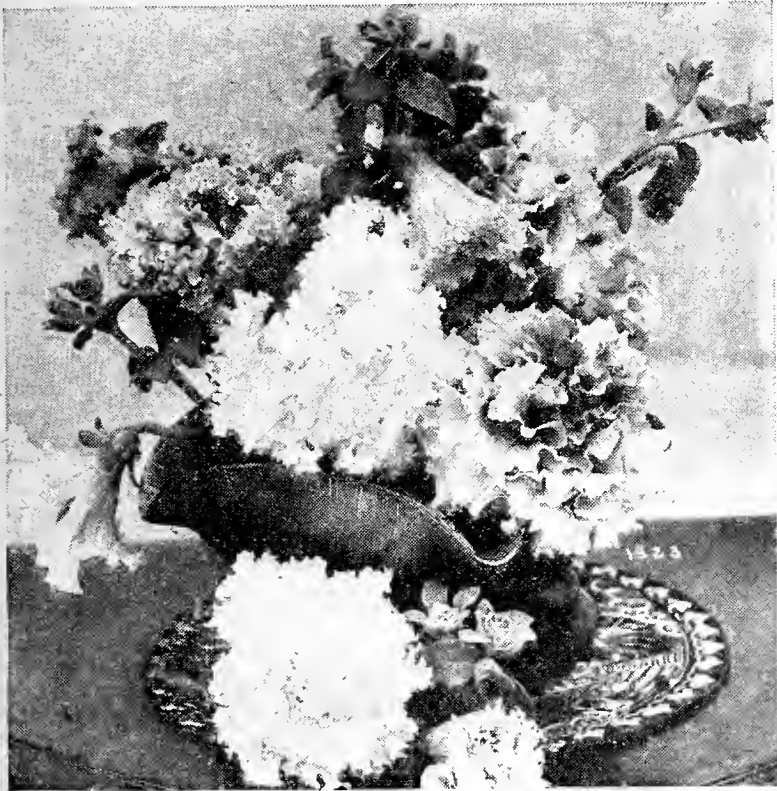
PERENNIAL PEA

A very interesting pea-like flower which blooms continually from spring until fall. Very beautiful in bouquets. This variety is very hardy, will last for years. Pkt., 10c; 1/2 oz., 40c; oz., 75c.

Petunias

See Color Plate

Hardy annuals. In bloom June or July until frost. A class which is unsurpassed among annuals for loveliness of flowers, brilliance and variety of color, and length of blooming season. They are easy to grow, requiring only a rich soil and plenty of sunlight. Few annuals stand hot summer sun so well. They are suited to many uses. When massed in beds they form a rich blanket of color. A few plants scattered in the border will enliven the effect surprisingly. A Petunia or two in odd corners of the garden will give a quaint, pleasing touch. Certain types are ideal in window boxes or hanging baskets. The giant ruffled varieties and the large double strains make excellent pot plants.



Petunias

SMALL FLOWERING VARIETIES—SINGLE

Bushy plants with myriad small single flowers making a fine show in beds. The dwarfier sorts are excellent for edgings. All sorts bloom continuously and abundantly.

General Dodds. Tall. 24 inches. Blood red. Pkt., 10c.

Howard's Star (Improved). Tall. 24 inches. Purple with a star of pure white. Pkt., 10c.

Carmen Sylva. Dwarf. 18 inches. Violet with white throat. Pkt., 10c.

Rosy Morn. Dwarf. 18 inches. Grows in compact bushes, 18 inches in diameter. The flowers are a delicate pink with white throat. Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Silver Blue. Dwarf. 18 inches. Light silvery blue. Pkt., 15c.

Violacea. Dwarf. 18 inches. Deep violet. Pkt., 15c.

LARGE FLOWERING VARIETIES—SINGLE

In this class are included certain types with relatively small plants, carrying remarkably lovely fringed blooms. The colors are gorgeous and the markings exquisite. Plants about 12 inches high. Blossoms 3 to 4 inches across.

Pink Glory. Delicately fringed flowers of a clear bright pink. Pkt., 25c.

Romany Lass. Rich deep red, striped in black, with a purple throat. Pkt., 30c.

Theodosia. Soft rosy pink with a golden throat, delicately veined. Pkt., 30c.

Pride of Portland. Deep rose veined with purple. Pkt., 25c.

Scarlet Beauty. A brilliant scarlet. Pkt., 25c.

Elks Pride. Very large flowers in a dark velvety purple. The only strain we list in this class that is plain edged, not fringed. Pkt., 20c.

BALCONY VARIETIES—LARGE FLOWERING, SINGLE

See Color Plate

Trailing plants about 15 inches long. Excellent for window boxes and hanging baskets. The single flowers are large and bright colored.

Balcony Rose. Pkt., 10c. **Balcony Deep Blue.** Pkt., 10c.
Balcony Deep Red. Pkt., 10c. **Balcony White.** Pkt., 10c.

PETUNIAS—Continued

GIANT FLOWERING VARIETIES—SINGLE

See Color Plate

These magnificent giant strains are admirable for bedding, cutting, and pot culture.

Giants of California. 12 inches. A superb strain with very large flowers, averaging 5 inches across. The edges are waved but not fringed. Colored richly in various hues, including crimson, violet, lavender, pink, and white. The throats are deep and wide, often with delicate veining. All colors mixed. Pkt., containing about 300 seeds, 25c.

Ruffled Monsters. 12 inches. Similar to Giants of California, but with deeply ruffled and fringed blossoms. Pkt., containing about 300 seeds, 35c.

Dwarf Giants, Ramona Strain. A new dwarf strain of Giants of California. Especially adapted to pot culture. The flowers are enormous, and beautifully colored and marked. The plant is compact and vigorous. Pkt., containing about 300 seeds, 40c.

LARGE FLOWERING PETUNIAS—DOUBLE

Choice Mixture. A rich assortment of the finest large double strains known. The finely formed, symmetrical, fully double blooms are beautifully ruffled and fringed, and they come in many gorgeous colors and shades. There is no more lovely flower in the whole botanical world. About 30 to 35 per cent will show double. The rest will be large fringed and ruffled blossoms in the finest colors and markings. In transplanting it is important to preserve the weak seedlings. They are likely to produce the finest double blooms. Pkt., containing about 250 seeds, 30c.

Phlox

Star or Cuspidata. Belongs to the same family of Phlox but as the illustration shows they have quaint and unusual flower formations. Same variations of colors as the Grandiflora type, height 1 ft. This strain does particularly well in the hot sun. Pkt., 10c; $\frac{1}{8}$ oz., 20c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c; oz., 90c.

Phlox Drummondii (Grandiflora). (12 in.) An annual which is easily raised and one of the showiest. It produces a continuous supply of attractive blooms, in a marvelous range of colors. All of the tints and colors, variations of stripes, veins and eyes of contrasting shades are found in this pretty flower. Sow the seed as soon as the danger of frost is over and in a few weeks they will start blooming. Pkt., 7c; $\frac{1}{8}$ oz., 15c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.

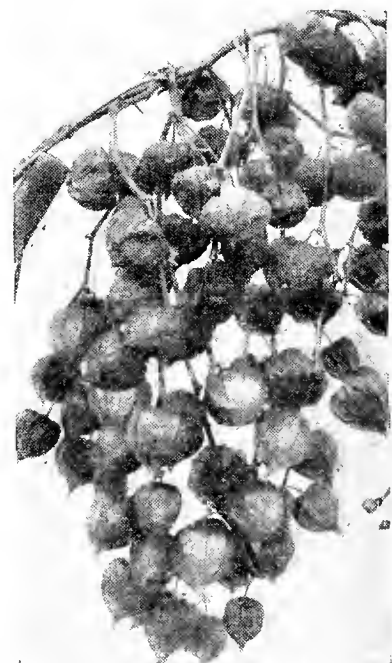
Perennial Phlox. One of our most beautiful perennial plants for borders. Very hardy and roots may be divided after the second or third year. All colors mixed. Pkt., 15c.

PHYSALIS, FRANCHETTI

Chinese Lantern Plant. A perennial whose flowers are not very interesting but is grown for its balloon-like husks that cover the seed pod. These are a bright red when ripe and resemble Chinese Lanterns. The plant grows about 1½ feet tall. Pkt., 10c.



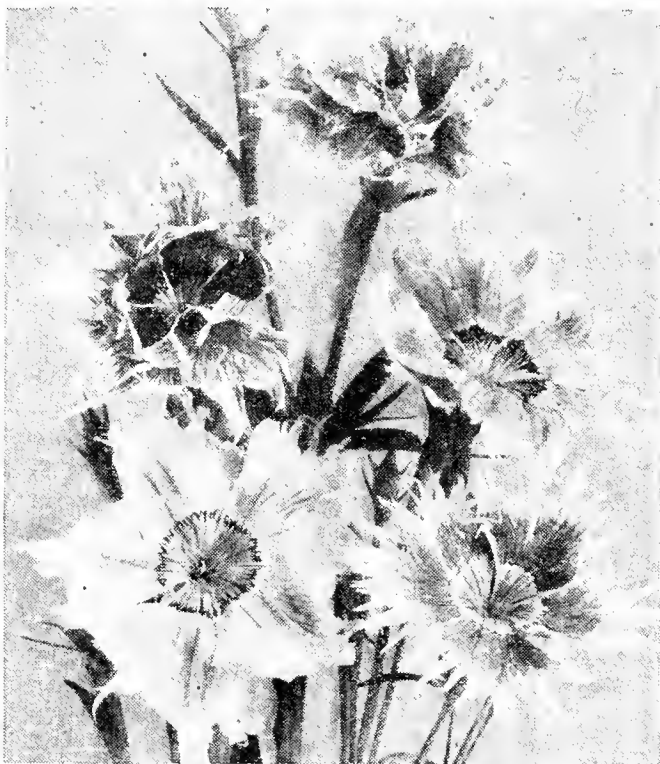
Phlox Drummondii, Grandiflora



Chinese Lantern Plant

PHYSOSTEGIA, VIRGINICA

False Dragon Head. This very beautiful perennial grows 3 to 4 feet tall with spikes of rosy-pink, lilac, or white flowers, tube-shaped similar to a tiny Snapdragon blossom. Very attractive foliage surrounding the graceful spikes. Blossoms in June to September. Pkt., 10c.

Hardy Garden Pinks

Double Japan. A variety that will blossom freely the first season and being very hardy will establish itself and blossom on for many years. Excellent as a cut flower. Pkt., 10c; ½ oz., 40c; oz., 75c.

Double Diadem. (12 in.) These are also hardy and have very brilliant coloring. Double flowers that are mottled, fringed, striped, and spotted. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

Double China Pink (Dianthus Chinensis). (12 in.) A class of beautiful hardy pinks. They blossom well the first year, and for many years thereafter. They are favorites for bouquet making, and the plants are perfectly hardy in all climates. Are popular in gardens. Mixed. Pkt., 10c; ¼ oz., 25c; ½ oz., 45c; oz., 85c.

Plumaris. (10 in.) This is the old-fashioned hardy clove-scented Garden Pink. It is very desirable for the perennial borders foreground and particularly adapted to the rock-gardens. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.

PLATYCODON

Chinese Bell Flower or Balloon Flower. Height 18 in. to 2 ft. A very beautiful border plant belonging to the Campanula family, the flowers while in bud have the appearance of an inflated balloon. The flowers are blue and white, blossom from June to September. Pkt., 10c.



Portulaca

PORTULACA

Rose Moss. (6 in.) A low growing plant that will thrive and bloom profusely in a hot, dry location. Adapted for rock work edging, etc. Seed should be mixed with a little sand when sown so as to have an even

distribution. Sow in May when the ground is warm. Double and single mixed. Pkt., 10c; ⅓ oz., 30c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.75.

Poppies

(See Color Plate)



Poppy

For sheer loveliness and haunting charm Poppies cannot be surpassed. They suggest Oriental romance and tales of Flanders fields. In vividness and variety, their colors rival the rainbow. They are easy to grow and have many uses. Do not permit your garden to be without them. Sow the seed broadcast and firm well. Thin out to about 6 inches apart. Do not

transplant the annual varieties. Keep old flowers picked. **Shirley.** Hardy annual. 18 inches. In bloom July until frost. The most beautiful of all Poppies. Bright, dainty, silky flowers are borne gracefully on slender, hairy stems. The delicate petals are sometimes fluted. The colors range from pure white through pink, rose, and scarlet to deep crimson. The blossoms are white-centered, and sometimes edged with white. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

American Legion. Hardy annual. 2 ft. In bloom July until frost. A giant strain of the Shirley, with flowers almost three times as large. They are a dazzling orange-scarlet with a white cross at the center. Massed in beds or borders, this type makes a most brilliant effect. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

Shumway's Special Mixture Tall Double Poppies. Hardy annuals. 3 ft. In bloom July until frost. Large handsome ball-shaped blooms carried on long stout stems. All colors, including different shades of white, pink, rose, salmon, and red. Abundant foliage. Excellent for beds and borders. As cut flowers, they last longer than other Poppies. Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.

Oriental Hybrids Mixed. Hardy perennials. 2½ ft. In bloom May, June. Tall, stately plants with huge cup-shaped flowers borne gracefully on long stems. Our mixture includes many fine shades such as white, salmon, rose, crimson, and lavender, but the orange-scarlet, blotched with bluish black at the base of the petals, predominates. The foliage and large pods are very decorative. The seeds may be sown at any time of the year. Will not bloom the first season. For cut flowers, gather when in bud. Pkt., 10c.

Grendon Hybrids (New Strain of Nudicaule, Iceland Poppy). Hardy perennials. 18 inches. In bloom May to September. Choice new development of the Iceland in beautiful shades of yellow, scarlet, salmon-pink, and white. The plants are neatly formed, with a tuft of bright green fern-like foliage at the base, from which rise slender stems, about 15 inches long, carrying bright, cup-shaped flowers of extra large size. Ideal for the permanent rock garden. Pkt., 15c.

CHINESE PRIM-ROSE

Chinese Primrose

Primula Sinensis. A very charming and profuse flowering plant. Is indispensable for winter and spring decoration in house and conservatory. Florists have great demand for them. Fine European selection. Mixed. Pkt., 10c.

EVENING PRIMROSE

Oenothera. (1½ to 2 ft.). An annual plant of easy culture. It is a delight, in the evening, to watch this plant and see the calyx drop and unfold their petals, at which time they emit a sweet perfume. The blooms are large saucer-shaped flowers, white or golden yellow. Mixed. Pkt., 10c.

Seeds of Alpine Plants for Rock Gardens

Aster-Alpinus. Three to ten inches high. Showy bluish-purple flowers with yellow center. Blooms in May and June. Pkt., 25c.

Anemone-Alpina (Windflower). Hardy and particularly adapted to Rockeries. Cup-shaped flowers in white, blue and red-dish-purple. Pkt., 20c.

Alyssum Creticum. Dwarf, dense grower. Blooms in the spring. Flowers golden-yellow. Pkt., 20c.

Campanula Allionii. Of prostrate and trailing habit. Beautiful blue flowers. Pkt., 25c.

Cyclamen Hederaefolium. One of the Neapolitan Cyclamen throwing a flower stalk of 4 to 5 inches in height. Colors are red, rose and some of purplish-red. Pkt., 25c.

Dianthus Alpinus. Low growing, sweet scented, early Garden Pinks. Particularly adapted to Rock Gardens. Pkt., 25c.

Gentiana Septemfida (Gentian). Particularly adapted to moist shady situations in sandy loam. Seed is slow to germinate and do not use lime in the soil. The most beautiful shade of blue found in any flower. Pkt., 25c.

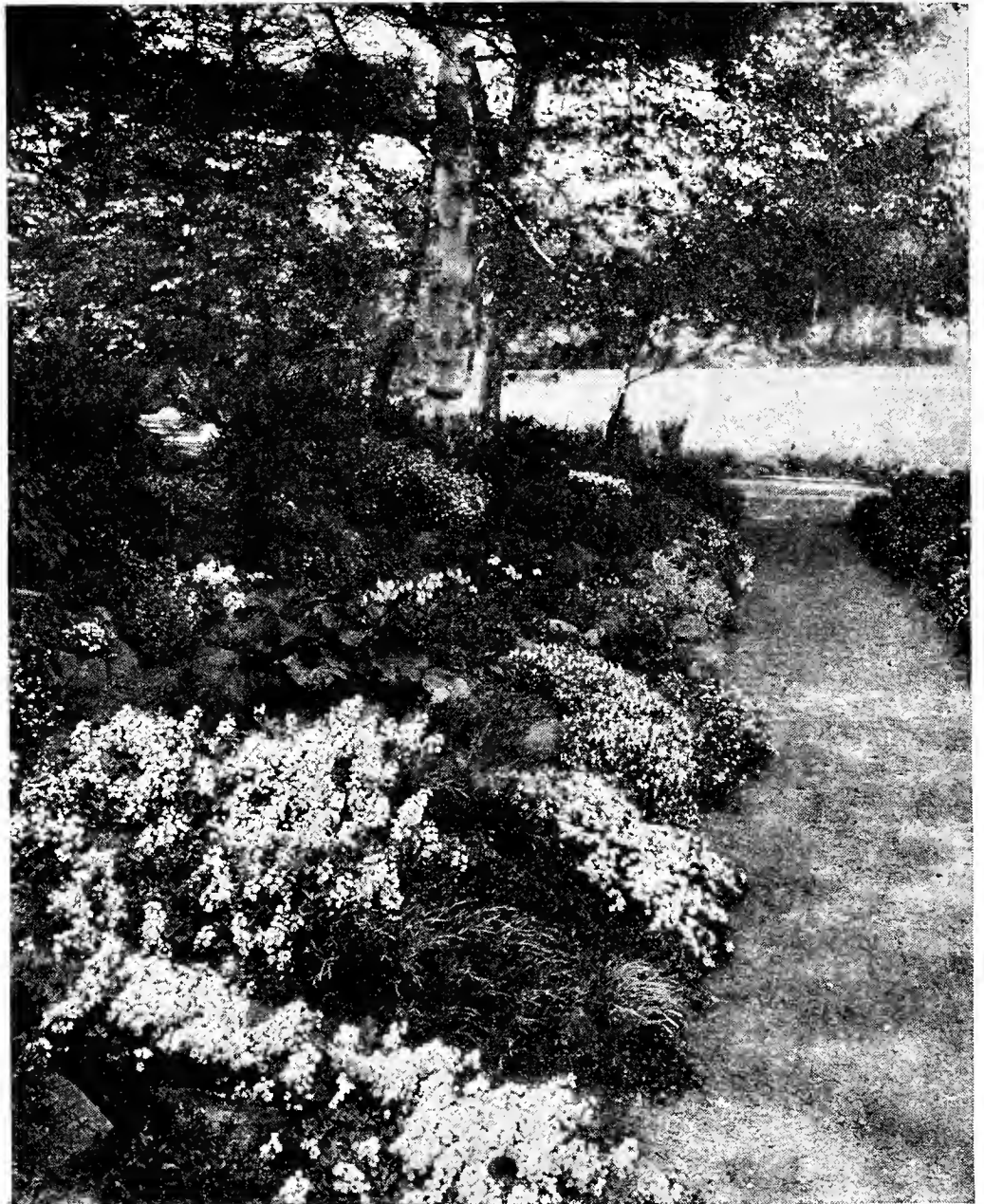
Leontopodium Alpinum (Edelweiss). This is known as an Emblem of Purity. Grows 4 to 12 inches high densely covered with whitish wool. The attractive portion being the clusters of woolly flower leaves surrounding the very small yellow blooms. Start the seed indoors about March 1st. Or sow in open ground in May. Pkt., 25c.

Primula Rosea (Primrose). This requires a partially shaded location. Exceptionally fine for Rock Garden. Rose-carmine in color, blooming in May and June. Height 8 inches. Pkt., 25c.

Saxifraga (Mossy Varieties). The most important and one of the largest of the plants adapted to Alpine gardening. Colors are in white, pink, and red. Pkt., 25c.

Silene Acaulis. An excellent class of plants for the rockery being closely allied to the Pinks and require the same treatment. They bloom practically all summer, 8 inches in height. Pkt., 15c.

Tunica Saxifraga. A pretty tufted plant producing light pink flowers all summer. This may be used either in the rockery or for border planting. Pkt., 20c.



1 Packet Each of This Collection for \$2.25

PYRETHRUM ROSEUM

(See Color Plate)

Painted Daisy. Hardy perennial. 1 to 2 ft. Blooms May, June, and frequently again in August, September. One of the best early summer blooming flowers. It has long been popular in Europe, but is not yet very well known in this country. The plants are vigorous and free flowering; with finely cut, fern-like foliage, and long erect stems, each bearing a blossom. Delightful in the hardy border, and one of the best and longest lasting cut flowers.



Pyrethrum Roseum

Single Mixed. Charming blossoms in various shades, from white through pink and rose to deep red; daisy-like petals radiating from a golden center. 2 to 3 inches in diameter. Pkt., 10c.

Double Mixed. The double blossoms, fluffy and globular, are most attractive. Only a portion will come double the first year, but the rest will be excellent semi-double and single specimens. The same color range. Pkt., 20c.

RANUNCULUS, ASIATICUS

Buttercup. This will blossom the first year from seed if sown early. Flowers in May, variable in color, generally double in form, height 6 to 12 inches. Pkt., 15c.

RHODANTHE (Everlasting)

Hardy annual. 12 inches. Blooms late summer. Charming plants of delicate, graceful form. The numerous stems are adorned with light green leaves and pretty, star-like blossoms. These are dressed in white, pink and rose, with golden centers. Succeeds best in a warm, sheltered situation, with light, rich soil. A good pot plant. It makes excellent winter bouquets when dried slowly in a cool place. Pkt., 10c; 1/8 oz., 20c; 1/4 oz., 35c; 1/2 oz., 60c.

Annual Flower Garden Mixture

Sow broadcast where wanted to grow

This is a compounded mixture of annual flower seeds that will do well with a minimum amount of care. There are 25 to 30 varieties of flowers in this mixture. The blooming season covers the entire summer and fall, providing a generous amount of flowers until they are killed by frost. Primarily this mixture was gotten up by us for large spaces where people wish to cover an ill-kept piece of ground. It has now been refined to the point where it can be used either in a small space or it can be purchased in quantity to take care of a large tract. We are positive that this will please you and surprise you. Sold only in the amounts hereafter specified.

Large pkt., 10c; 1 oz., 35c; 1/4 lb., \$1.25.

SALPIGLOSSIS (PAINTED TONGUE)

(See Color Plate)

Large Flowered, Mixed. Hardy annual. 2½ ft. In bloom midsummer until frost. This magnificent flower has recently

become extremely popular. The blossoms are shaped something like Petunias, but they have a velvety texture and rich varied colorings which set them apart from any other flower. Most of them are exquisitely veined in gold or silver. The stems are tall, slender, and graceful. No garden is complete without a bed of Salpiglossis. Few annuals supply such a

wealth of color over so long a period. Also very desirable for cut flowers, keeping

well in water. Our mixture includes different shades of yellow, pink, wine, purple, and brown. Pkt., 10c; ⅓ oz., 20c; ¼ oz., 30c; ½ oz., 50c; oz., 90c.

**Salpiglossis (Painted Tongue)****Salvia (Flowering Sage)**

(See Color Plate)

This splendid plant makes a fine show of color in the garden from midsummer until killed by heavy frosts. The beautiful flower spikes are vividly arrayed in scarlet or deep blue, and the foliage is dark green. Very striking in borders or small hedges, and particularly desirable for bedding.

Salvia Splendens (Scarlet Sage) (Bonfire or Clara Bedman). 2 ft. In bloom throughout the summer and fall. A splendid border and bedding flower, shooting up abundant sprays of showy scarlet. Pkt.,

10c; ⅓ oz., 30c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.65.

Harbinger. 15 inches. If sown indoors in February, it will bloom from June until frost. A magnificent development of Salvia Splendens, remarkable for its early blooming and abundance of flowers. The plants are of dwarf, compact habit, the gorgeous scarlet flower spikes contrasting brilliantly with the dark green foliage. Admirable for summer bedding. Pkt., 20c; ⅓ oz., 50c; ¼ oz., 90c.

Patens (Blue Sage). 2 ft. Blooms June, July. Long spikes of beautiful deep blue florets. Excellent for the greenhouse or mixed border. May be treated as a perennial if roots are dug up and wintered in a cold cellar. Pkt., 15c.

**Salvia Splendens****The School Girl's Flower Garden****50c** POSTPAID

Ten packets of easily grown annual flower seeds, containing Dwarf Nasturtium, Sweet Alyssum, Strawflower, Bachelor Buttons, Poppy, Petunia, Salpiglossis, Cosmos, Calendula and Four O'Clock.

An Exceptional Value. No Changes Allowed.

DOUBLE SANVITALIA

Procumbens Flora Plena. (6 in.) An annual plant, prostrate in growth and spreading over the soil. Literally covered with tiny golden-yellow Zinnia-like flowers, with dark purple centers. Some of them are single and others double. Start blooming in June and continue until killed by freezing. Desirable in rockeries and edging. Pkt., 10c.

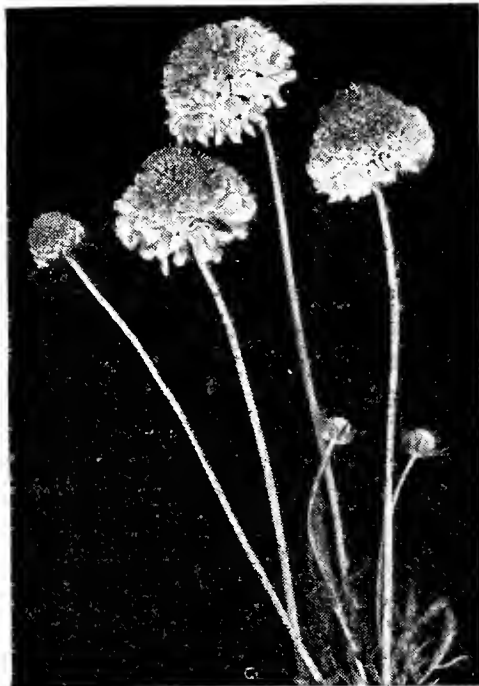
SCARLET RUNNER POLE BEANS

A variety of bean that we are listing with the flower seeds, as they are worthy of consideration in this department. Rapid growers with clusters of dazzling scarlet flowers. Beans make a very desirable shell variety for table use. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.

Scabiosa

Mourning Bride or Pincushion Flower. Hardy annual. 2½ ft. Blossoms continuously from early July to hard frost,

if kept picked. Each plant has several tall graceful stems, every stem bearing a closely set cluster of small florets. This cluster or bloom is dome-shaped, about 2 inches across, and the many long stamens give the effect of pins thrust into a pincushion. The flowers are colorful and fragrant, and they make fine beds and borders. They are especially desirable as cut flowers, keeping in water for almost a week. Our mixture contains all the delightful soft colors, including blue, various shades of red, peach blossom pink, yellow and white. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

**Scabiosa (Mourning Bride)**

New Giant Caucasica Hybrids (Isaac House Strain). Hardy perennial. 2 ft. Blossoms June to September. A very fine strain of the perennial Scabiosa. The stems are exceptionally long (about 20 in.), and sturdy. The blooms are often more than three inches across. These are formed of banded florets, which give a ruffled and fringed effect at the edge. The central florets often remain in bud, so that the whole effect is something like a saucer. The colors range from a very light lavender to a dark blue. Superb as cut flowers. Pkt., 10c.

SCHIZANTHUS

Poor Man's Orchid (Wisetonensis strain).

This is one of the beautiful dainty annuals growing about 1½ ft. tall. The flowers are small but bright, in a bewildering range of colors, blotched and marked in contrasting shades. The foliage is fern-like. The seed germinates readily and in a few weeks the plant is a mass of flowers. It may be sown in the spring in the garden or may be seeded in the fall in pots and allowed to bloom inside. Pkt., 10c.

**Schizanthus (Poor Man's Orchid)**

SHASTA DAISY

Chrysanthemum
Leucanthemum
(Alaska). Hardy perennial. 2 to 2½ ft. Blooms profusely all summer. An ideal plant for the border or for cutting. Graceful stems, 1½ to 2 ft. in length, carry the large, single blooms, which are 4 to 5 inches in diameter. The broad, overlapping, white petals surround a yellow center. Very valuable for cut flowers and bouquets, since the blossoms keep in good condition for a week or more and have long stems. Should be planted in late fall or early spring. Pinching back the early buds gives better foliage and flowers. This improved strain is a Burbank development. Pkt., 15c.



Shasta Daisy



Solanum

SOLANUM

(18 in.) A beautiful miniature evergreen tree, which bears perpetually great numbers of ripe and green fruit (not edible), and it blossoms freely the whole year. Their scarlet fruit makes them very desirable for both house and to set on the lawns in the summer. Pkt., 10c.

STATICE (Everlasting)

Sinuata. Hardy annual. 2 to 2½ ft. Blooms June, July. Rather stiff stems carry large sprays of small, cup-shaped, brightly colored blossoms. An attractive plant for the border, and useful for cut flowers. It is valued most as an everlasting, for it dries without fading and keeps indefinitely; one of the finest types for winter bouquets. Thrives in poor soil in a sunny location. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 65c.



Statice Latifolia

Latifolia (Sea Lavender). Hardy perennial. 1½ to 2 ft. Blooms all summer. The plants are dwarf and somewhat creeping. Fine, lace-like panicles bear a great profusion of dainty, purplish-blue flowers. Very nice for the border or rockery. Ideal for mixing in winter bouquets. Pkt., 10c.

Stocks

Ten Weeks. (1 ft.) One of the most beautiful and fragrant of all the annual flowers. The flowers are arranged on long stiff stalks like small rosettes. The colors are of the soft hues, making them very attractive in bouquets. All colors mixed. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

DOUBLE EARLY GIANT IMPERIAL or IMPROVED BISMARCK

This is an especially meritorious strain of Stocks. They grow from 24 to 30 inches tall and are of branching habit. Very early blooming and produce a high percentage of doubles. We cannot say too much for this strain for those who want the better things in their garden. This is the finest strain for florists for greenhouse growing. All colors mixed.

Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.15; 2 oz., \$2.00.

Blush (Apple Blossom). Pkt., 15c.

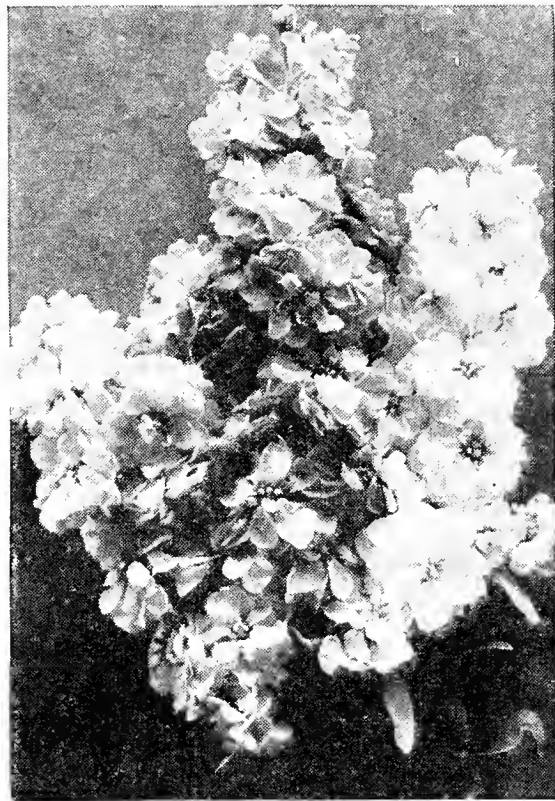
Canary Yellow (Golden Ball). Pkt., 15c.

Fiery Blood Red. Pkt., 15c.

Mauve Lavender. Pkt., 15c.

White. Pkt., 15c.

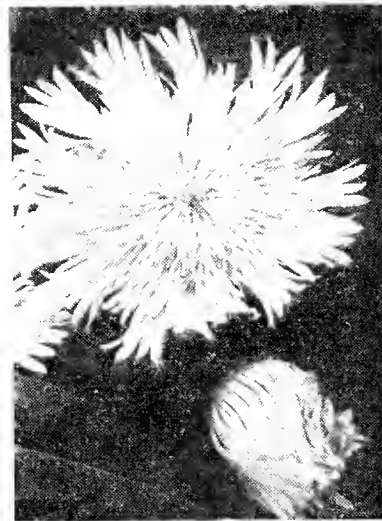
Collection of 6 packets, 1 of each of the separate colors and a packet of mixed for 75c, postage paid.



Ten Weeks Stock

Mixed Everlasting Flowers

In years past we have had many requests for a packet of Mixed Strawflowers, in other words flowers that will dry for winter bouquets. We now offer to the gardening public just such a packet. All of the varieties of Strawflowers listed in our catalog are represented in this article. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.



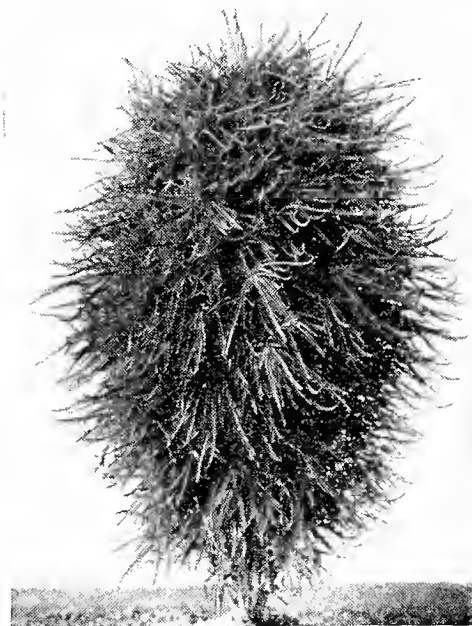
Stokesia, Cyanea

STOKESIA, CYANEA

(Stokes Aster, also called Cornflower Aster.) A beautiful perennial which grows about 18 inches tall and blooms from July to October. The flowers are blue and seem to be a cross between an Aster and a Cornflower. Pkt., 10c.

SUMMER CYPRESS or BURNING BUSH

Kochia Trycophilla. This hardy annual grows 30 in. tall. It is highly ornamental, and forms a pyramidal growth of Cypress-like appearance. In autumn the foliage becomes densely carmine-red, and is often called "Mexican Fire Plant." Pkt., 5c; ¼ oz., 20c; ½ oz., 35c.

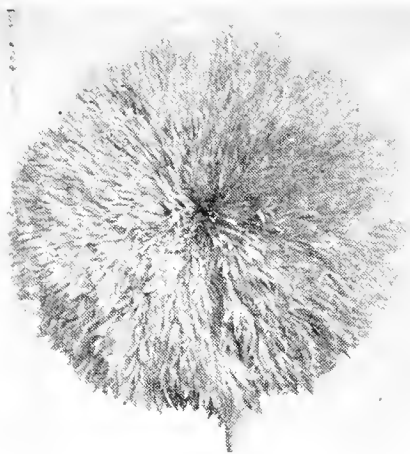


Summer Cypress or Burning Bush

**DOUBLE DWARF
SUNFLOWER**

Helianthus (3 to 4 ft.). Ornamental on account of their steady growth, and very fine, attractive appearance. Dwarf sorts do not grow high. Hundreds of flowers on each stalk, and continues in bloom a long time. Very beautiful. All double varieties mixed. Pkt., 5c; ½ oz., 20c; oz., 30c.

See pages 94, 95, 96, 97, 98 for Books on Gardening, Insecticides and Fungicides, Garden Supplies, Sprayers, Dusters and Spray Pumps.



Double Dwarf Sunflower

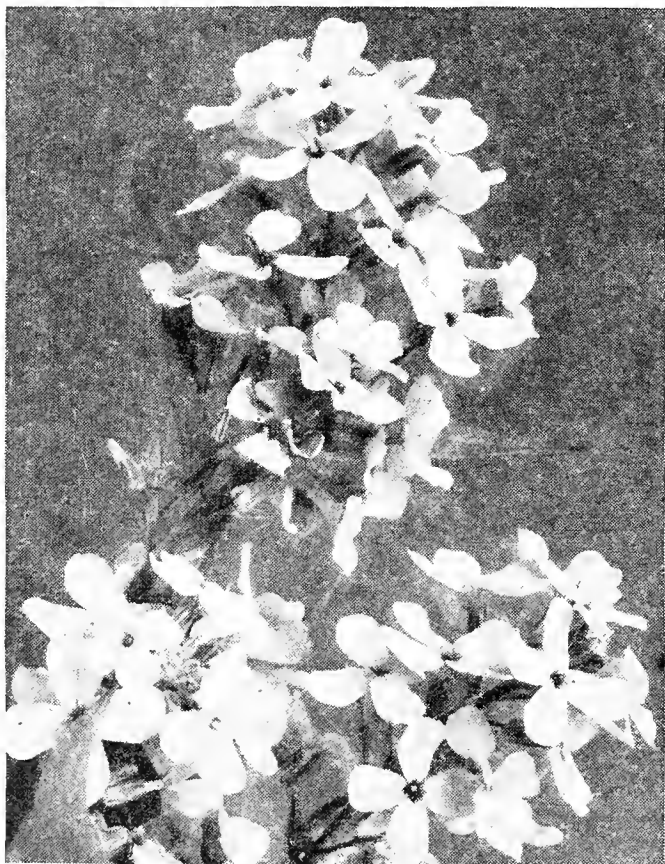
BULB CATALOG

Our fall catalog of bulbs will be ready for distribution about the middle of August. If you are interested in tulips, hyacinths, crocus, narcissus, peonies, iris and lilies, don't fail to have a copy mailed you.

As a suggestion when you send in your order for seed, request a fall catalog, making this request on a separate slip of paper, with your name and address, and as soon as the catalogs are off the press, one will be mailed you.

SWEET ROCKET

Hesperis, also known as Evening Scented Stock. A perennial which belongs to the Wallflower family. It grows 2 to 3 feet tall and its blooming period is from June to August. The seed should be sown the latter part of February or March and transplanted into the open ground in April or May. Purple and White Mixed, Pkt., 10c.

Sweet Rocket (*Hesperis*)**THUNBERGIA**

Black-Eyed Susan. Half hardy annual creeper. 4 ft. A trailing plant which produces a great abundance of fine foliage decorated with bright, five-lobed, tubular flowers. These are in various shades from white through buff to orange, and their jet black centers provide a striking contrast. It makes a luxuriant mat to cover a bare piece of ground or terrace, or it may be used to climb on low fences or other supports. Also grown in hanging baskets. Pkt., 5c.

**SWEET WILLIAM**

Dianthus Barbatius. Hardy perennial. 2 ft. In bloom May to July. A most attractive bed and border plant, bearing large trusses of closely set phlox-like flowers on stiff stems. The blossoms are exquisitely arrayed in fancy patterns with many different combinations of colors. Fine for cut flowers. Easy to grow. Blooms the second year from seed.

Single, All Colors Mixed. Pkt., 7c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.

Double, All Colors Mixed. Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

Double and Single, Choice Mixed, All Colors. Pkt., 8c; ½ oz., 40c; oz., 75c.

TRITOMA

Red Hot Poker (30 in.) Showy border plants throwing a bloom very compact in form on stout stems. Blossoms are a brilliant orange-red. Blooms in August and September. If left in a protected spot in the garden, they will live over; however, it is well to dig the roots and store in sand for the winter. Pkt., 10c.

Tritoma Roots: 20c each; 6 for \$1.00.

TRUMPET CREEPER

Bignonia Radicans. Hardy perennial climber. 15 to 20 ft. Blooms summer and fall. One of the best showy flowering vines. The blossoms, which are produced in profusion, are large, trumpet-shaped, and scarlet-orange with orange throats. The foliage is light green. The vine grows rapidly and is very useful for covering rockwork, stumps and unsightly places. It will climb to a great height on a tree trunk. Pkt., 10c.



Tritoma

Verbena Hybrida

See Color Plate

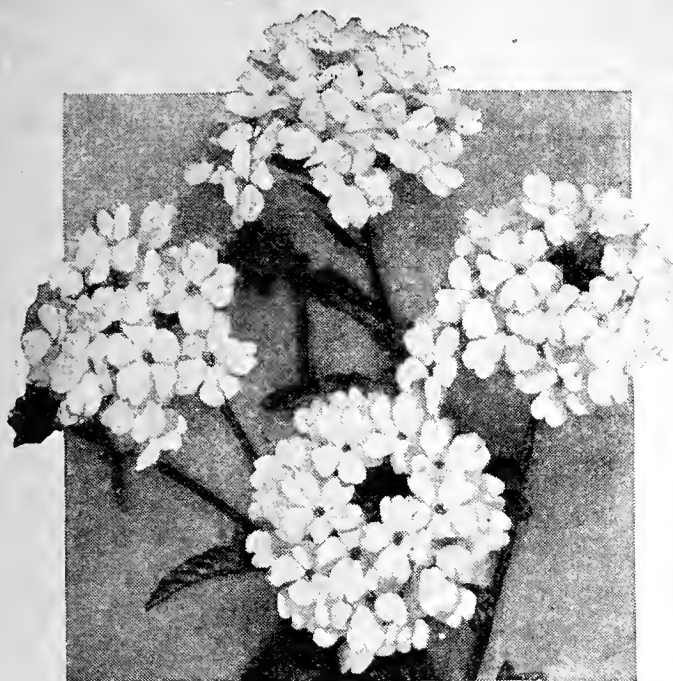
Strictly a half-hardy perennial, but should be treated as an annual. 8 to 10 inches. In bloom midsummer until frost. Dwarf creeping plants bearing star-like blossoms in clusters or umbels. The bright flowers contrast nicely with the dark foliage. They come in many different colors, some with two tones and some with contrasting eyes. A very fine flower for brightening up bare spots and odd corners in the garden, as well as beds and borders.

Vivid Red. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c; ½ oz., 75c.

Blue Shades. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c; ½ oz., 75c.

Pink Shades. Pkt., 10c; ½ oz., 25c; ¼ oz., 40c; ½ oz., 75c.

Hybrida, Mixed. White, pink, scarlet, blue, lavender, purple, and variations. The standard bedding type, very free flowering. Pkt., 10c; ½ oz., 20c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.

Verbena—Continued**Verbena**

Hybrida Grandiflora (Gigantea). A choice new strain. Huge rounded trusses whose individual florets are over an inch in diameter. One can hardly believe that this magnificent flower is a Verbena. All the splendid colors known in Verbenas, with eyes in white or other light shades. Pkt., 15c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c.

VERONICA, SPICATA

Speedwell. A hardy herbaceous perennial belonging to the Foxglove family. Height 2 feet, small pikes of rich blue flowers. A showy plant for sunny borders. Very easy to grow from seed. Pkt., 15c.

WALLFLOWER

Goldlack. (1½ ft.) Wallflowers are not as well known as they should be. Particularly adapted to pot-culture and outdoor bedding. The oriental coloring of rich reds and yellows with a delightful sweet fragrance make them particularly desirable. Grown easily and the cut flowers last a long time. Not hardy in Northern states. Pkt., 10c.

**Wallflower****Zinnias**

See Color Plate

Hardy annuals. In bloom June until frost. There are no annuals that will make a finer show in the garden than Zinnias. The various types have been greatly improved to make the plants taller and more free flowering, the double blooms larger and more finely formed, and the colors more brilliant and varied. Zinnias make splendid cut flowers, lasting for days in water. Sow outdoors as soon as the ground is warm, or start indoors earlier and transplant. A rich, well fertilized, well watered soil is needed. The plants are not subject to disease or insect pests. They thrive in hot summer weather.

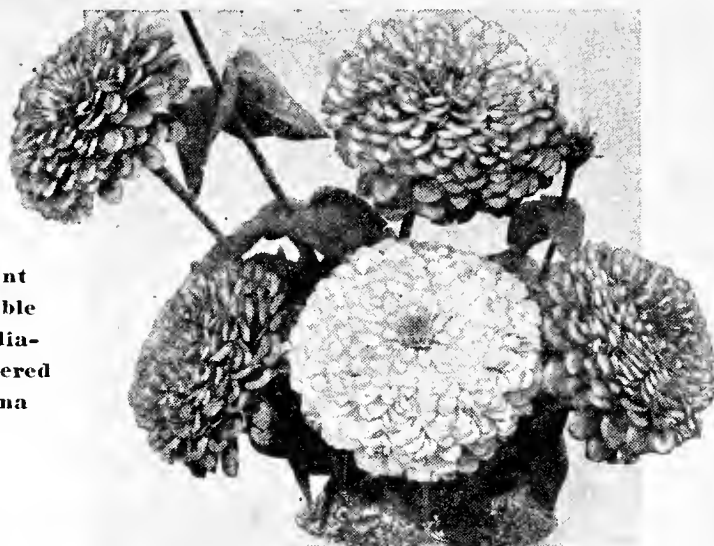
GIANT DOUBLE DAHLIA FLOWERED

3 ft. A truly magnificent new type of Zinnia, which in sturdiness of growth and fine formation of its flowers resembles the double decorative Dahlia. The branching plants bear huge blooms, often measuring 6 inches across and 3 to 4 inches deep. These are formed of masses of broad, full petals, somewhat curled and cupped, and standing out loosely, instead of overlapping closely as in other Zinnias. The slightly hollowed center is ringed by small tubular florets. There is a remarkable range of gorgeous colors, including shades and tones not hitherto known in Zinnias.

Choice Mixture. A collection of all the fine strains given below. A more beautiful array of colors could scarcely be imagined. Pkt., 10c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 75c; oz., \$1.40.

Zinnias—Continued

Giant
Double
Dahlia-
Flowered
Zinna



Crimson Monarch. Rich crimson flowers of huge size, often 8 inches in diameter. Pkt., 10c.

Exquisite. Lovely flowers in light rose with center of deep Tyrian rose. Pkt., 10c.

Oriole. Striking two-toned blooms in orange and gold. Their brilliant coloring rivals the oriole itself. Pkt., 10c.

Dream. A rare shade of deep lavender, turning to mallow purple. Pkt., 10c.

Youth. The newest thing in Zinnias. A beautiful light shade of salmon-rose. Pkt., 10c.

DOUBLE GIANTS of CALIFORNIA or COLOSSAL

3 ft. One of the most brilliant and showy annuals grown. The flowers are nearly as large in diameter as the Dahlia Flowered, but less deep. The center is not so depressed; the petals are less curled and more closely and evenly arranged, overlapping each other neatly. The colors, although not quite so numerous, are brighter. They include canary yellow, pink, crimson, orange, lavender and white in various shades. The plants are vigorous and branching. A very fine flower for large beds and borders. Also excellent for tall vases. The blossoms can be trimmed to any desired shape. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.

DOUBLE ELEGANS

2½ ft. A more bushy and free flowering type than the Dahlia Flowered or Giant. The petals closely and neatly overlap each other to form dome-shaped blooms, about 2½ inches across, and more uniform in size and shape than the larger types. The colors include all the characteristic beautiful Zinnia hues. Very fine for bedding, on account of its profusion of flowers. The best Zinnia for bouquets. Known as a "Cut and Come Again." Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; oz., 75c.

**Double Elegans****DOUBLE LILLIPUT or POMPON**

Robusta Rosea. 12 inches. Trim little plants, dwarf and compact in habit, covered with bright blossoms in a beautiful rose color. These are densely double and about 1½ inches across. A very attractive type for edgings and low borders. Pkt., 10c.

Spencer Sweet Peas

CULTURE: Sweet Peas should be planted very early in the spring or late in the fall. They need a well fertilized soil and plenty of moisture. Thin the plants out to at least 6 inches apart. As soon as they are 4 to 6 inches tall, provide proper support. Use strings and stakes or brush; never wire or chicken netting, for the metal becomes hot in the sun and injures the plants. For vigorous growth and luxuriant blooming, inoculate the seed with Nitragin.

EVER since their introduction in England years ago, the Spencer strains have been the finest in Sweet Peas. Since then, they have been steadily developed and improved in respect to abundance of flowers, form and size of blossoms, range and beauty of color, and length of stem, until today an array of Spencers is one of the loveliest sights that the floral world affords. From the great number of strains that are available, we have made a selection of the finest distinct varieties developed in the last few years.

The flowers are borne plentifully all through the summer. The more they are picked, the better they will bloom.



Crimson King

Early Flowering Spencers

These early strains bloom from seed 3 to 4 weeks earlier than the summer types. They are especially valuable for forcing under glass. For the garden, they have the advantage of getting a better start before the hot dry months, and their blooming period is longer. The vines are not so branching as those of the other Spencers, but the blossoms are just as large and wavy, and the stems equally long.

LADY GAY. The most beautiful color in its class that has been introduced—a delightful shade of soft shrimp pink. In addition to its beautiful coloring its clear, fresh, crisp appearance immediately appeals to all who see it. Four blooms on long stiff stems and an excellent grower in the greenhouses. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

PEACHES. A new shade of apricot-rose, with a touch of lemon in the keel. This is a popular variety under glass as well as in the garden. Extra long stems carrying four large blooms. A magnificent variety. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

BLUE BONNET. This is a new extra fine deep blue, the color is evenly distributed without the slightest trace of mauve. By comparison with other blue varieties this one has no superior. Extra large blossom carrying four to very long stems. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

MAJESTIC ROSE. Another new early flowering variety. In strength of growth, length of stem, size of bloom, this deep brilliant rose-pink Sweet Pea has no superior. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

VALENCIA. The very finest bright orange, sun-proof variety. A strong grower, large blossoms, throwing three and four on extra long stems. **Pkt., 15c; ¼ oz., 35c; ½ oz., 60c; oz., \$1.00.**

Summer Flowering Spencers

These are the standard strains for garden cultivation. The vines are of branching habit with abundant foliage. The blossoms are large and exquisitely waved, and they appear in clusters of three, four, or even five. If the days are not too hot and dry, and the nights are reasonably cool, these will blossom beautifully right through the summer.

MARY PICKFORD. A beautiful dainty cream pink with a faint suffusion of salmon making a delightful color combination hard to surpass. Flowers beautifully frilled, usually 4 to each stout stem. **Pkt., 10c; oz., 35c.**

MISS CALIFORNIA. A distinct shade of rich salmon pink with standard and wings of precisely the same tone. The individual flowers are large and are borne in sprays of four on long, stout stems. **Pkt., 10c; oz., 35c.**

CRIMSON KING. In color this outrivals all other crimson sweet peas. A rich solid clear crimson, stems average 16 to 18 inches long, bearing 3 or 4 large fine blooms. **Pkt., 10c; oz., 30c.**

MRS. TOM JONES. A deep amethyst blue in color. Beautifully waved flowers are very large and are borne on stems generally 4 to a spray. **Pkt., 10c; oz., 30c.**

CAMPFIRE. The brightest, clearest and distinctly sunproof of all scarlet varieties. Flowers of fine size borne in profusion on plants of great vigor. **Pkt., 10c; oz., 30c.**

KING WHITE. The king of all white Sweet Peas. The flowers are of gigantic size and perfect in finish. Absolutely pure white. **Pkt., 10c; oz., 30c.**

AUSTIN FREDERICK IMPROVED. A most pleasing shade of lavender. Flowers are of the largest size and are borne 4 to a spray on long stiff stems. **Pkt., 10c; oz., 30c.**

DOREEN. Large rose carmine flowers. Because of its brightness it is very popular. Vigorous grower, bearing flowers of fine form on long strong stems. **Pkt., 10c; oz., 30c.**

HAWLMARK CERISE. A beautiful bright salmon cerise, shade is specially affected under artificial light. Should be included in every collection. **Pkt., 10c; oz., 30c.**



Miss California

SHUMWAY'S SUPERFINE MIXTURE OF SPENCER SWEET PEAS.

We have not spared expense or effort to secure the finest stocks of Sweet Peas and now offer a super blend that cannot be surpassed. This is made up entirely of the Spencer strain. The planting stock contains over 40 varieties including many of the named varieties we are listing. **Pkt., 10c; oz., 20c; ¼ oz., 50c; ½ lb., 90c; lb., \$1.75.**

REFLECTION. Reflection is a great improvement in the clear blue section in Sweet Peas. It is the result of a cross made for blueness and vigor. It is a robust grower with long, stout stems, usually having 4 well placed flowers on each. The flowers are bold, nicely waved, of large size and clear blue with only a slight trace of mauve in the young bud. **Pkt., 15c; oz., 50c.**

PINKIE. A rich deep rose-pink. It is a result of a cross made for vigor and color and the result is most outstanding. "Pinkie" is larger than any other variety we have ever seen blooming in the deep pink section. The flowers are nicely waved and well placed on the stems. **Pkt., 10c; oz., 35c.**

ECKFORD'S HYBRID LARGE FLOWERING SWEET PEAS

This is a very interesting strain of Sweet Peas, as they come in mottled and speckled colors as well as the clear tones. They make up beautifully in bouquets. **Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., 50c; lb., 90c.**

PURPLE MONARCH. This is a large, vigorous growing, purple Sweet Pea, the color is just a little deeper than the so-called Royal shade and the flowers have a beautiful velvety sheen. The flowers are large, well waved, and borne on long stems. The veins are vigorous and produce a wealth of fine blooms. **Pkt., 15c; oz., 60c.**

RAVENSWING. A very deep black maroon Sweet Pea, and for depth of color it is quite remarkable. This variety is a strong grower and the flowers are borne on good stout stems. **Pkt., 15c; oz., 60c.**

PRINCE OF ORANGE. A large, very deep orange variety. When well grown and shaded it is a luminous flame color. It is a deeper, richer and more brilliant orange than any other variety of this class. Blooms nicely, waved and well placed on good stems. **Pkt., 10c; oz., 35c.**

SUNKIST. The ground is a clear rich cream and the picotee edging is clearly and cleanly defined. The flowers are large and bold, well waved and beautifully placed on good stout stems. **Pkt., 10c; oz., 35c.**

WEMBLEY. A large light blue lavender, beautiful flower in form and shade. A vigorous grower. Makes a charming combination with pink and blue varieties. **Pkt., 10c; oz., 30c.**

HEBE. A fine large rose pink. Popular not only for its lovely clear color but on account of its vigorous growth and unusually long stout stems. Recommended for all gardens and exhibition. **Pkt., 10c; oz., 30c.**

1 pkt. each of the 17 varieties, \$1.50, or 1 oz. each of the 17 varieties for \$4.50.

NITRAGIN

When ordering, specify for
SWEET PEAS
Garden Size, 25 Cents

Shumway's Selection of Dahlias

CULTURE: Dahlias will thrive in almost any soil, they grow their best, however, in a sunny location. Prepare the plot designated for Dahlias by spading 12 to 18 inches deep. If the soil is rather heavy add a shovelful of sand or wood ashes. Set the Dahlia tuber in a hole prepared about 5 to 6 inches deep with the eye up, cover three inches, then, as the plant shows growth, keep covering up until the soil is level. Always plant divisions, never the clumps. In separating the Dahlia clumps be sure that a part of the neck which attaches to the old stalk is taken, this part should contain an eye or two. NEVER USE FERTILIZER AT PLANTING TIME.

When the Dahlias begin to bloom fertilizer may be applied, particularly one strong in potash. Water well at least twice a week. Disbudding, by that we mean to pinch off the smaller buds, allowing one to the laterals, this will produce larger blooms.

Plant Dahlias After All Danger of Frost Is Past

THE following varieties shown in their respective classification were chosen as the outstanding varieties in our field planting of over 100 selected varieties.

DECORATIVE TYPE

F. D. (Formal Decorative)—In. D. (Informal Decorative)

AMUN. RA. (The Sun-God.) (F. D.) A gigantic flower. In color a blending of copper and bronze with orange and gold tints. This is one of the most sensational of the new Dahlias. The flowers keep for a long time when cut and last for an exceptionally long time when left on the plant. Each, 60c.

AZTEC GLORY. (In. D.) Clear picric yellow, deep massive flowers of most artistic formation carried on strong erect stems. Each, 90c.

BASHFUL GIANT. (In. D.) An extremely large blossom, apricot in color, shading to a golden yellow. This variety is an excellent one for exhibition purposes. Each, 50c.

CITY OF TRENTON. (In. D.) It is impossible to adequately describe this Dahlia as far as its color tones are concerned. As near as we can do so, it is a glowing tangerine with the reversed side of the petals a crushed strawberry red. The petals curl gracefully giving a two toned effect and creating an impression of whirls or tongues of flame radiating from a full center. Without difficulty, but by proper disbudding this variety can be grown to 12 inches in diameter. Each, \$1.25.

JANE COWL. (In. D.) A deep massive bloom of bronzy-buff and old gold blending darker towards the center. Blooms are 9 to 10 inches across. Strong stems hold this giant flower upright. This variety with its unique color is sure to please and take prizes wherever shown. Each, 90c.

ELEANOR GRANT. (F. D.) The outer petals are a light cameo-pink while the center is sea-foam green. The stems are very long and the blossoms last well when cut. Each, 50c.

ELITE GLORY. (F. D.) A rich, red decorative Dahlia which can usually be found with the prize winners. The blooms are massive with good substance on strong stems. Each, 90c.

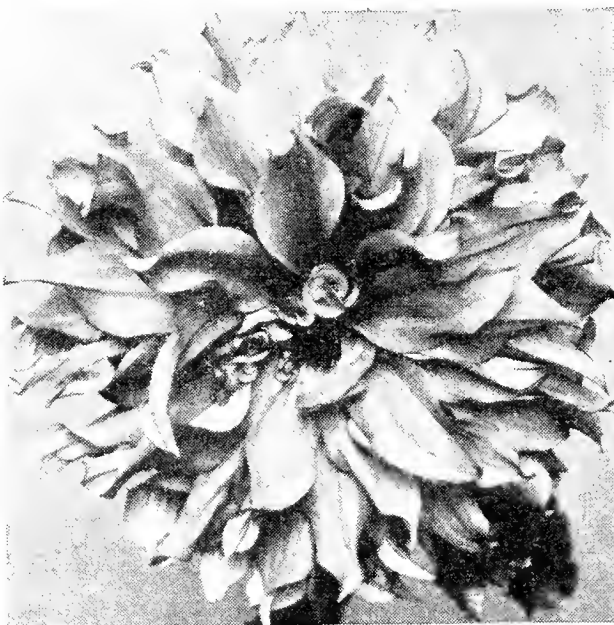
GLORIANA. (F. D.) A pure gold in color with slightly reddish tinge toward the center. The stems are long and leafless making it very desirable for bouquets. The plants grow about 4½ feet tall. Each, 35c.

JERSEY'S BEACON. (F. D.) The color is Chinese scarlet with a buff reflex, giving a two tone effect. This is a free, early bloomer of massive proportion with sturdy stems, blooms 9 inches across. Each, 60c.

JERSEY'S BEAUTY. (F. D.) Without doubt the most talked of Dahlia during the past season. A perfect bloom of erosine-pink, the blossom is carried well above the foliage on long wiry stems. It is in a class by itself, a perfect true pink. It is a wonderful keeper when cut, therefore an exceptionally fine exhibition variety. Each, 50c.



Show Dahlias



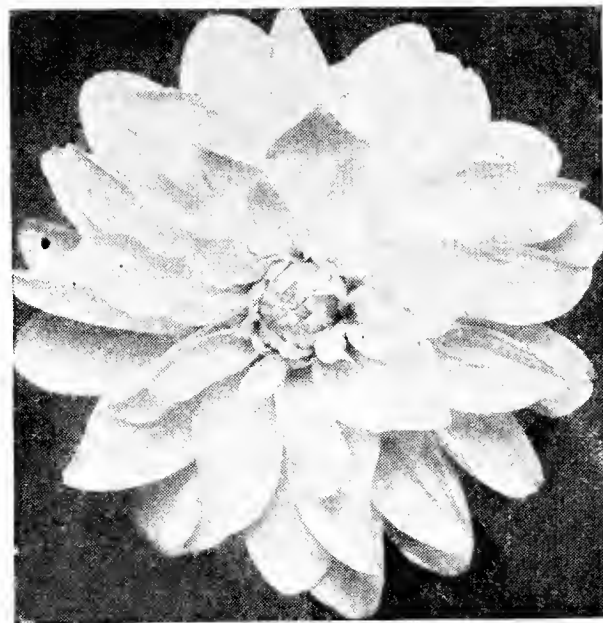
Informal Decorative Dahlia



Cactus Type Dahlia

Dahlias as a Cut Flower

The Dahlia makes one of the ideal cut flowers if handled in the following manner. Cut early in the morning and hold the end of the stem in boiling hot water for ½ minute or burn over a flame for the same period; then place the blooms in a container of ice cold water extending over half way up the stem. Allow them to remain in this manner for two hours, then arrange in bouquets as you may desire. Change water daily. Cut Dahlias so cared for will hold up for 5 days to a week.



Formal Decorative Dahlia

JERSEY'S SOVEREIGN. (In. D.) Blooms 7½ inches in diameter. A variety that deserves space in any collection. A beautiful shade of salmon-orange, good grower and early bloomer. Each, 75c.

MILLIONAIRE. (In. D.) A very large bloom, 9 inches across. Lavender-pink tinting to white at the center. Each, 50c.

MRS. CARL SALSBAUGH. (F. D.) Another exceptionally fine pink variety. A strong vigorous grower. The blossoms are carried well above the foliage and last a long time when cut. Each, 50c.

MRS. J. DE VER WARNER. (F. D.) This is one of the best known of the recent introductions. A refined mauve-pink in color. Beautifully formed and carried on long strong wiry stems. An excellent producer of quantities of blooms, continuing until the end of the season. We consider this one of the best in its color. Each, 50c.

OREGON BEAUTY. (F. D.) A variety of remarkable size and beautiful coloring, oriental red with golden sheen and garnet suffusion, this making it stand out very prominently in the garden. Each, 50c.

PATRICK O'MARA. (F. D.) This is one of the freest bloomers and one of the old standbys for cut flowers. A pleasing shade of orange-buff slightly tinged with rose-pink. Each, 50c.

PAUL MICHAEL OR CALIFORNIA GOLD. (In. D.) Blooms 10 inches across. This variety has been awarded a prize twice for the largest Dahlia in the California shows. In color it is a rich pure gold or deep orange. It is an early and continuous abundant bloomer. The plants are strong and of medium height. Ideal for the garden. Each, 65c.

KATHERINE WILSON. (F. D.) One of the largest blooms of this type. Beautifully quilled, claret red at the tips with the quills toward the base pure white. This is one of the most uniform varieties and very fine for cut flowers. Each, 35c.

ROBERT TREAT. (F. D.) Blossoms 9 inches across. This Dahlia is similar in color to the American Beauty Rose. Flowers are produced freely on long erect stems. A strong, healthy grower. Each, 75c.

ROMAN EAGLE. (F. D.) Blossoms 10 inches across. A winner in the shows. An uncommon autumn shade of burnished copper. Each, \$1.00.

CACTUS and HYBRID CACTUS

BRIDE'S BOUQUET. The outstanding pure white Dahlia of this type. The stems are very long, making it desirable for use in bouquets. Each, 35c.

EMMA MARIE. A pleasing shade of clear pink with a creamy white center. It is a robust grower producing deep full centered blossoms. Each, 75c.

J. H. JACKSON. All lovers of Dahlias should grow this variety. It is a deep velvety-maroon and very large for the Cactus type, in fact it is gigantic in size. Grows 4½ feet tall. Each, 25c.

GEORGE WALTERS. (H. C.) A Dahlia of gigantic size, the largest of this type. Its color is a beautiful shade of salmon-pink artistically blending to old gold; produced on long stems well above the foliage. Each, 75c.

KALIF. (H. C.) A rich deep glowing scarlet, majestic flower, perfect for exhibition or garden purposes. This variety is one of German importation. Each, 50c.

JERSEY'S MAMMOTH. A monster Dahlia of this type. The color is a rich golden mahogany. This variety has won first prizes at many of the shows for the largest flower. If you want a winner grow this one. Each, \$1.00.

SHOW FANCY DAHLIAS

A. D. LIVONI. A beautiful pink with perfectly quilled petals. Each, 25c.

MAUDE ADAMS. A very profuse bloomer carrying the blossoms on good stems. The color is a pure snow white overlaid with a well defined delicate pink. Each, 35c.

STORM KING. Pure white and a very free flowering variety. Blooms early and continues throughout the season. The flowers are produced on strong stems. Each, 25c.

ANNA REIHORST. A beautiful show Dahlia of rich purple in color carried on a strong stem. Each, 30c.

MISS ELLEN HOLLIS. Large, bright red with uniformly quilled petals. One of the best, always full at the center. Each, 30c.

GLADIOLUS BULBS

CULTURE: No garden today is complete without a generous planting of them; starting shortly after the first of April, successive plantings can be made up to June 15th. This is true in the latitude of Northern Illinois. Farther South of course the plantings can be extended over a wider range of time.

As heretofore stated start your plantings about April 1st, setting the bulbs 4 to 5 inches deep in almost any type of garden soil. Naturally the richer the soil the larger your flower stalks and more vigorous your plant resulting in a reestablishment of bulbs for the following year.

We only offer for sale what is known as first size in named varieties, by that we mean, bulbs that are 1½ inch and up in diameter.

The varieties marked with an asterisk * we wish to call to your attention. While all varieties, listed are of particular importance those so marked we believe to be of exceptional merit.



Martha Washington

*ALICE TIPLADY

Orange, a beautiful bloom. Each, 7c; ½ doz., 30c; doz., 50c.

ANNA EBERIUS

Deep velvety purple, throat Bordeaux purple. Flowers carried on strong stems. Each, 8c; ½ doz., 45c; doz., 80c.

ARIZONA

Dark pink, maroon markings on lower petals. Each, 7c; ½ doz., 30c; doz., 50c.

*A. W. HUNT

Large flowers well placed on a tall stalk. This is the best orange-red variety. Each, 10c; ½ doz., 55c; doz., \$1.00.

BARON JOS. HULOT

Deep violet blue, lighter lines in throat. Each, 10c; ½ doz., 50c; doz., 90c.

*BENGAL TIGER

A peculiar dull red, with dusky, bluish-gray stripes; a very striking variety. Each, 12c; ½ doz., 60c; doz., \$1.10.

*BETTY NUTHALL

This variety is mentioned by some as being the glory of the garden. The plants are tall and vigorous, bearing long graceful stalks. The color is new to the Gladiolus—light coral with pale orange throat and a feathering of carmine. The individual flowers are often 6 inches across. Often 8 blooms open at one time. Each, 50c; 3 for \$1.35; ½ doz., \$2.50.

*BYRON L. SMITH

Lavender pink, delicate yellow blotch on lower petals. One of the finest gladioli. Each, 8c; ½ doz., 45c; doz., 80c.

SUPERFINE MIXTURES

(Extra Choice)

Superfine Mixture "A" (Bulbs first size 1½ inch up in diameter). ½ doz., 25c; doz., 40c; 25—75c; 50—\$1.40; 100—\$2.65; 1600—\$25.00.

Superfine Mixture "B" (Bulbs ¾ inch to 1¼ inch in diameter). All will bloom the first year. ½ doz., 20c; doz., 35c; 25—65c; 50—\$1.25; 100—\$2.35; 1000—\$20.00.

*CAPTAIN BOYNTON

A beautiful lavender with deeper shade blotch on lower petals; perfectly placed large flowers on tall strong stems. One of the wonder Gladiolus. Each, 8c; ½ doz., 50c; doz., 90c.

*CARMEN SYLVA

Snow-white, large flowers well placed on a perfectly straight tall stem. An extra fine cut flower variety. Each, 8c; ½ doz., 45c; doz., 80c.

CHATEAU THIERRY

A fine spike with enormous wide open scarlet-red flowers, with carmine stripe on creamy ground on lower petals. Each, 8c; ½ doz., 45c; doz., 80c.

CRIMSON GLOW

Brilliant crimson, extra large flowers, tall spike. Each, 8c; ½ doz., 45c; doz., 80c.

*E. J. SHAYLOR

A beautiful deep rose-pink; one of the best ruffled varieties. An excellent cut flower, many blooms open at one time. Each, 7c; ½ doz., 40c; doz., 75c.

*EDITH MASON

A beautiful delicate geranium-pink well arranged on a spike 5 feet tall, the petals are slightly recurved. 8 to 12 blossoms open at one time. In addition to being a Gladiolus of exceptional merit it is very early. Each, 30c; 3 for 75c; ½ doz., \$1.25.

*FERN KYLE

Large ruffled creamy-white flowers, many blooms open at one time on a long strong stem. A highly refined variety. Wherever shown it has brought expressions of wonderment. Each, 15c; ½ doz., 80c; doz., \$1.50.

*FAIR COLUMBIAN

Tall, vigorous plant with large, fine, showy lilac blossoms with deeper colored throat. Each, 10c; ½ doz., 50c; doz., 90c.

*GIANT NYMPH

Light rose-pink with creamy yellow throat; very large wide open flowers, well arranged on long stems, grows 5 to 6 feet tall. Each, 10c; ½ doz., 50c; doz., 90c.

*GOLDEN MEASURE

The best yellow variety, very large, deep golden in color with the blooms slightly ruffled. This variety grows exceptionally tall. Each, 10c; ½ doz., 50c; doz., 90c.

*JOE COLEMAN

An outstanding large rich red Gladiolus, ruffled edge. Each, 10c; ½ doz., 50c; doz., 90c.

*J. A. CARBONE

Iridescent orange-salmon shaded darker towards the edges, center yellow; large flowers well placed on long stems. An extra choice variety. Each, 12c; ½ doz., 65c; doz., \$1.25.

*MARIE KUNDERD

Pure white with almost invisible pink lines in center of the lower petals. Very finely ruffled and early. Each, 10c; ½ doz., 50c; doz., 90c.

NOTICE—All quantities of bulbs are quoted Parcel Post or Express charges prepaid. Named varieties are offered in first size only 1½ in. up in diameter.

*MARMORA

An interesting Gladiolus of the most unusual color, lavender-gray with petunia colored blotch; the arrangement on the stalk is perfect, 8 or more blossoms at one time. Each, 30c; for 75c; ½ doz., \$1.40.

MARY PICKFORD

Delicate creamy white with yellow blotch, very early. Each, 8c; ½ doz., 45c; doz., 80c.

*MR. W. H. PHIPPS

La France Pink, overlaid with salmon-rose lighter towards the center, lower petals faintly striped and speckled with ruby; enormous flowers perfectly placed on gigantic stems. 15 to 20 open at one time. A super variety. Each, 12c; ½ doz., 65c; doz., \$1.25.

*MRS. DR. NORTON

Silver white blossoms, tips of petals marked crab apple pink. A dainty flower. Each, 10c; ½ doz., 40c; doz., 75c.

*MRS. FRANK PENDLETON

Large pink flowers with deep carmine blotch. Each, 7c; ½ doz., 30c; doz., 50c.

*MRS. FREDERICK C. PETERS

Resembling an Orchid in color. A beautiful shade of rose-lilac with crimson blotch. Flowers are very large and many open at one time borne on a long stalk. Each, 10c; ½ doz., 50c; doz., 90c.

*MRS. LEON DOUGLAS

Begonia-rose striped with flame-scarlet, lower petal pale lemon speckled ruby. Extremely large flower, many open at one time. Very tall, strong stem with several side shoots, the whole forming a gigantic bouquet. This is considered the largest Gladiolus in existence. Each, 10c; ½ doz., 50c; doz., 90c.

*MRS. VON KONYNENBURG

An introduction from Holland. This variety comes nearest to a true blue of any Gladiolus grown. A robust grower with 6 to 7 flowers open at one time. Each, 50c; 3 for \$1.35; ½ doz., \$2.50.

*ORANGE GLORY

Ruffled flowers, orange, lighter throat, large flowers. Each, 10c; ½ doz., 50c; doz., 90c.

ORANGE QUEEN

An apricot-orange primulinus hybrid. Beautiful wide open flowers of excellent substance. Each, 7c; ½ doz., 30c; 1 doz., 50c.

*PEACH ROSE

A wonderful variety. Extra choice in its color of deep rose-pink with rose-red blotches in the throat. Each, 10c; ½ doz., 55c; doz., \$1.00.

Lily of the Valley



These beautiful little flowers should have a place in every garden. Considered the daintiest of our spring flowering plants. Roots or pips, 6—25c; 12—45c; 50—\$1.65; 100—\$3.25.

Shumway's Large Flowering Cannas

CULTURE: Cannas are one of the most effective plants for our garden and give a delightful effect for a small expenditure. Their blooming period is from early summer until frost in all parts of the country. They are sunloving plants and will thrive in almost any soil but will respond to a liberal use of well rotted manure and generous watering.

Cannas are most effective when planted in mass of one variety in a bed or when planted here and there in the background of mixed borders; so arranged their long blooming season assures a continuous display of color. Again they are quite effective when used as a hedge or as a background.

Two to Three-eye Roots. Plant 18 Inches Apart

KING HUMBERT

(4 ft.) The flowers are scarlet in color and the leaves are bronze. This variety has been a sensation in the Canna family for the last 10 to 12 years. A free bloomer and exceptionally fine tropical foliage.

YELLOW KING HUMBERT

(4 ft.) Considered the best yellow Canna. An orchid flowering sport of King Humbert. The petals are 3 to 3½ inches in diameter, 7 inches long, slightly blotched with bright red, foliage dark green.

THE PRESIDENT

(4 ft.) Rich glowing scarlet flowers 7 inches across when fully opened. The strong erect stalk carries the flowers well ahead of the heavy green foliage. A strong growing variety and free blooming.



Canna

EUREKA

(4 ft.) A free flowering white variety. When the blossoms appear they are cream. This variety planted with King Humbert makes a very delightful contrast. Green leaves.

CITY OF PORTLAND

(3½ ft.) A deep pink variety holding its color well during hot weather. Foliage green and this variety carries its flowers well above the foliage. This is one of the worth-while pink varieties.

WYOMING

(6 ft.) Bronze leaved. This is the best orange-yellow variety. This variety has bronze-purple foliage and immense flowers.

All varieties, each, 15c; 3 for 40c; 6 for 70c; 1 doz., \$1.25; 25—\$2.35 postage paid.

Lilies for Spring Planting

(The Gold-Banded Lily of Japan.) This is the most beautiful of the Lilies. Very large, glistening white flowers, thickly studded with crimson spots, while through the center of each petal runs a clear golden yellow band. Thrives best in locations where the lower portion of the plant is shaded, as among Peonies or other low-growing perennials. Perfectly hardy with ordinary protection. Mammoth bulbs, 10-13 inches. 35c each; \$1.85 per 6; \$3.75 per 12.

LILIUM SPECIOSUM RUBRUM

The Speciosum varieties are probably the most popular Lilies grown, bearing flowers of a most delicate beauty in August. Wonderful for perennial borders. When fully open these beautiful blooms are a gorgeous sight, the petals curving back to the stem, exposing the rose and crimson markings. Mammoth bulbs, 11-13 inches. 30c each; \$1.75 per 6; \$3.25 per 12.

HANSONI

The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June.

Plant in semi-shade. Each, 35c; 3 for \$1.10; 12 for \$3.75.

HENRYI

A very beautiful Lily from Central China, growing four to eight feet, and often carrying twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best Lilies for general culture, hardy, robust, long lived, growing in almost any soil and situation, although it requires good drainage. Each, 35c; 3 for \$1.00; 12 for \$3.75.

PHILADELPHICUM

(Wild Red Lily.) Our most beautiful native Lily, the best specimens of which are usually found growing wild. The flowers are 3 to 4 inches in diameter, produce 1 to 5 on a stem, 1 to 3 feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple with red anthers. Blooms during June and early July. Each, 15c; 6 for 80c; 12 for \$1.50.

REGALE

Another beautiful Lily from Tibet, China. Blossoms are white shaded to yellow in the center and a pink tinge on the outer edge. Sweet scented. Grows 3 to 4 feet high. Very hardy after once established. Large bulbs, each 30c; 6 for \$1.65; 12 for \$3.00.

SUPERBUM

(American Turk's Cap.) The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid Lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. Height 3 to 8 feet. Each, 20c; 3 for 50c; 12 for \$2.00.



Lilium Speciosum Rubrum



Lilium Auratum

TIGRINUM FLORA PLENO

(Double Tiger Lily.) This is the well known Lily; color a rich orange; flower stalks about 4 feet tall. Each, 25c; 6 for \$1.25; 12 for \$2.25.

TENUIFOLIUM

(Siberian Coral Lily.) The lovely Coral Lily of Siberia. The brightest of all Lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms early. Each, 25c; 3 for 65c; 12 for \$2.25.

TUBEROSE BULBS

Double Pearl. 2½ ft. Beautiful compact, flower spikes of extremely fragrant, waxy white, double blossoms. They are very attractive in the border, and their long stems make them desirable as cut flowers. If planted outdoors when the ground is warm, they will bloom late in the summer. For earlier blooming, start them indoors in pots and transplant when danger of frost is past.

Flowering Size: 8c each; 3 for 20c; 6 for 35c; per doz., 65c; per 100, \$4.25, postpaid.

Mammoth Bulbs: 10c each; 3 for 25c; 6 for 40c; per doz., 75c; per 100, \$5.50, postpaid.

CALADIUM BULBS

Esulentum (Elephant's Ear). 3 to 5 ft. Ornamental foliage plants producing huge, bright green leaves often measuring 3 to 4 ft. long and 2½ ft. wide. They give a tropical effect when planted in tall beds or borders or on the open lawn. Widely used in public parks. They need a rich soil with abundant moisture.

Mammoth Bulbs 9 to 11 inches in circumference. Each, 20c; 3 for 55c; doz., \$1.75, postpaid.

Jumbo Bulbs 13 to 15 inches in circumference. Each, 40c; 3 for \$1.15; doz., \$4.25, postpaid.



Caladium (Elephant's Ear)



Tuberose

Books on "Gardening"

All About Flowering Bulbs

By T. A. WESTON

"All About Flowering Bulbs" is a completely revised edition of "Bulbs That Bloom in the Spring," with considerable new material added, covering the Summerflowering and the Tenderflowering bulbs.

Table of contents: Bulbs and Their Uses, The Best Springflowering Bulbs and How to Grow Them, Summerflowering Bulbs and Roots, Tender Bulbs and Roots, Diseases and Insect Pests.

184 pages, many magnificent full page halftones with eight full page four color plates, bound in Span-o-tone with attractive jacket in four colors.

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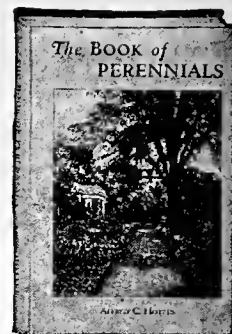
The Book of Perennials

By ALFRED C. HOTTES

This book is a veritable storehouse of information about the ever popular flowers which come up year after year—the perennials—and is indexed and cross indexed in such a way that the amateur cannot fail to build a marvelous perennial garden or bed.

The volume is marked by the liberal use of illustrations and by the eminently practical language that makes Mr. Hottes' writings both interesting and instructive for amateur as well as professional.

Price, cloth bound, postpaid, \$1.65



Rock Garden Primer

By ARCHIE THORNTON

Many amateur gardeners are interested in rock plants, yet hesitate to attempt their culture.

Its contents include: Choice of a Site for a Rock Garden, Rocks, Drainage and Soils, Construction (building), Propagation of Rock Plants, Bulbs for the Rock Garden, Small Coniferous Evergreens for the Rock Garden, Flowering Shrubs for Use in the Formation of a Background, Trees Suitable for a Background, Easily Grown Rock Plants.

152 pages, 70 illustrations and four 4-color plates. Bound in imitation leather.

Price, postpaid, \$2.15



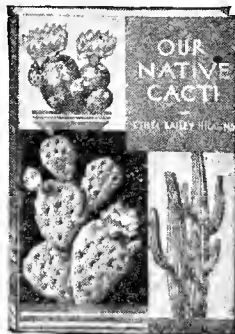
Our Native Cacti

By ETHEL BAILEY HIGGINS

This much needed volume gives the characteristics of the species native to the United States, providing descriptions of the plants, fruits and flowers, their uses, habitats of the plants, flowering periods, diseases to which they are subject and much other information. A chapter on cultural details, covering the raising of but one plant up to the maintaining of an extensive Cactus garden, makes this book most valuable for the amateur.

180 pages, 5 1/4 x 8 1/4, with 96 black-and-white halftones and four in full color effect. Bound in linen with jacket in two colors.

Price, postpaid, \$2.65



The Woman's Flower Garden

INDOOR AND OUTDOOR

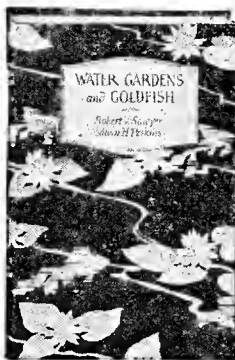
By JANE LESLIE KIFT

As its name implies, it is a book for women on the care of flowers and plants in the home and on their cultivation in the garden.

The person with only a plant or a vine or two, the one with a wee garden attached to some window ledge far above the roar of city traffic, or the owner of a suburban garden, have all been kept in mind by Miss Kift in this practical and, withal, entertaining book.

160 pages, numerous illustrations

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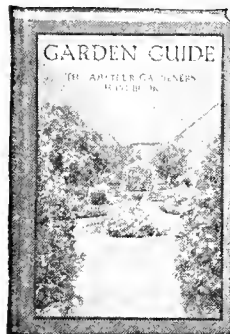
Garden Guide

Garden Guide has wonderful chapters devoted to the Vegetable, Flower and Fruit Gardens, with practical layouts and planting plans. It tells you in full about how to prepare and fertilize your ground, how to distinguish and get rid of insect pests.

How to prune your plants; how to propagate plants; how to construct hotbeds and forcing frames; how to spray; about tools, rustic furniture, birds of the garden, canning, Winter storage of food and plants, etc. Covers every step from spading the ground to preserving the harvest.

388 pages and over 275 teaching illustrations, with beautiful cover in four colors.

Price, Span-o-tone cloth, postpaid, \$1.65



1001 Garden Questions Answered

By ALFRED C. HOTTES

A modest title with a wealth of information covering the flower, vegetable and fruit garden, arranged in the unique form of questions and answers. This book, like the dictionary, is not meant to be read for literary effect, but to secure a quick answer to any definite question—and it fulfills that function well.

The book contains 320 pages and is copiously illustrated. A beautiful 4-color plate adorns the cover.

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The Book of Annuals

By ALFRED C. HOTTES

The author opens up many new possibilities to garden makers in this book, which is exceedingly complete and, all in all, as useful a manual dealing with Annual flowers as can be obtained.

One plants Annuals freely in order to fill in the bare spots on the home grounds. The more flowers we pluck the more they bloom. This is the great charm of Annuals. They may always be depended upon to give a splendid showing the same year they are sown.

Over 100 separate species are described, with full directions for their culture and uses. 182 pages, 155 illustrations.

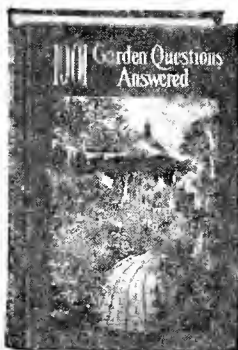
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By ROBERT B. CRIDLAND

CONTENTS: The Importance of all Careful Planning; Locating the House; Arrangements of Walks; Drives and Entrances; Construction of Walks and Drives; Lawns and Their Grading; Construction and Upkeep; Ornamental Planting of Trees and Shrubs; The Flower Garden; Architectural Features; Hardy Borders and Rose Gardens; Wild Gardens and Rock Gardens; Planting Plans. 276 pages, size 6x8 inches.

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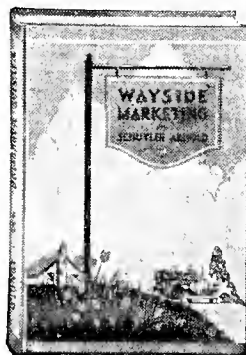
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By ALBERT E. WILKINSON

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308 pages, profusely illustrated, bound in cloth, handsome jacket.

Price, postpaid, \$2.15



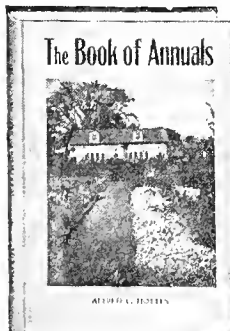
Wayside Marketing

By SCHUYLER ARNOLD

Every angle of the situation is covered—location, the building of the stand, with details of measurement, the stock to be offered (flowers, fruits and vegetables) and how to grow it, etc. An exclusive feature of the book consists of the many line cuts made from hand drawings of practical booths, ranging from simple stands to the more elaborate affairs—all of which can be worked out by the average person. Added to this are numerous illustrations of actual stands which have been photographed on the roadside, as also pictorial representations of those annual and perennial flowers in greatest demand and of which an attractive showing can be made.

132 pages, bound in cloth and encased in an attractive jacket.

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Insecticides and Fungicides

Red Arrow

Protect your garden from chewing and sucking insects. One spray for both purposes. Safe on tender foliage. Does not stain. Safe to use on Fruits and Vegetables before picking and serving. RED ARROW IS ECONOMICAL. Highly concentrated. Spreads evenly. Does not clog nozzles. Needs no agitating. Sprayers last longer. Kills the hard-to-kill insects, worms and caterpillars. Approved by leading entomologists. Oz., 35c; ¼ pt., \$1.00; ½ pt., \$1.75; qt., \$6.00, postpaid.



TANGLEFOOT

Recommended by Authorities

Forestry experts, government experiments stations, and large commercial orchardists the country over are included in our list of users and enthusiastic boosters of TREE TANGLEFOOT.

Safe Dependable, Long Lasting

TREE TANGLEFOOT is a sticky material for applying in bands around the trunks of trees and vines to combat the climbing and creeping type of destructive insect pests. It remains effective three to four months, outlasting ten to twenty times any other material.

1 lb. can postpaid, 70c; 5 lb. can, \$3.10; 10 lb. can, \$5.75. Not prepaid, 25 lb. can, \$11.00.



KILL RATS

"BLACK CAT" is sure death to Rats, Mice and Gophers, but is harmless to Man, Dogs, Cats, Baby Chicks, Poultry and all Domestic Animals. May be safely used in the house, barn or poultry house. "BLACK CAT" can be mixed with butter, corn meal, ground meat or other food. Rats and Mice eat it readily and it drives them outdoors to die.

GUARANTEED to kill Rats, Mice and Gophers and nothing else, when used according to directions.

50c per package, postpaid



SHEPS PLANT SPRAY

This NON-POISONOUS spray gives positive protection against both sucking and chewing insect pests, including Aphids, Thrips, Green Flies, White Flies, Mealy Bugs, Worms, Caterpillars and others. Harmless to humans, birds, animals and pets. Will not injure the most delicate plants. Benefits soil and foliage. Absolutely the easiest spray to mix—no soap solution, perfect emulsion—20 seconds from bottle to plant.

PRICES POSTPAID

2-oz. Bottle (makes 4 gals. Spray Sol.)	...	35
8-oz. Bottle (makes 16 gals. Spray Sol.)	...	75
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Evergreen Kills Plant Insects

EFFECTIVE against Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Aphids, Leaf Hoppers, and most other plant insects, including cutworms.

NON-POISONOUS—EVER GREEN is harmless to man, live stock, birds and pets. Kills only insects. Eliminates washing of fruits and vegetables before marketing.

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WON'T GUM SPRAYERS—Has no injurious effect on metal or rubber. Sprayers can't get clogged, for EVER GREEN stays in solution.

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1 oz. bottles\$ 0.35	32 oz. bottles\$ 3.50
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Being Non-Poisonous Ever Green Can Be Sent Through the Mail.



Hammond's Slug Shot

SLUG SHOT, the same for over fifty years, is a microscopically fine, reddish colored, insecticide dust which is highly impregnated with fungicides.

It is harmless to plants, both vegetable and flower, yet it is powerfully effective against leaf-eating insects and fungus. It can be used on vegetable plants without fear of harm to humans.

Use SLUG SHOT by dusting on damp plants to combat the Mexican Bean Beetle, Potato Bug, Cabbage Worm, Slugs, Sow Bugs, Army Worm, Currant Worms, etc. It is the safest, most effective and most economical general purpose insecticide and fungicide available. It is a product proven by over half a century of successful use.

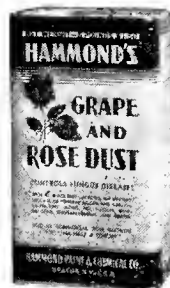


1 lb. Round Perforated Tin Top Canister, 30c; 5 lb. Tin Top-Bottom Canister, \$1.00; 10 lbs., \$1.90, postpaid.

Hammond's Grape Dust

Black Spot on Roses, Powdery Mildew on both Grapes and Flowers, Blights, Leaf-eating Insects—all vanish after the use of GRAPE DUST. This dust is a combined fungicide and insecticide, easily used and never unsightly. It is SAFE, yet effective.

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Kill Ants in the Nest

New Method "Gets" Them at Their Source . . . Safe, Permanent, Effective

The Antrol system is adapted to any size house or garden, and quickly destroys all species of sweet-eating ants. It is composed of small glass containers partially filled with special syrup and placed about the outside edges of the house or along ant "trails" in the garden. The ants smell the syrup, eat it, and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed.



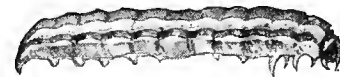
The complete system should cover every fifteen feet around the outside of the house or ant "trails" in the garden. Once installed, permanent, effective, and safe protection is insured from these annoying pests. Prices—Antrol sets containing four containers and one 4-ounce bottle of syrup, 75c; Ready fill sets, 50c. Antrol extra containers (each), 15c; Antrol syrup, 4-oz. bottles, 35c; pints, 85c; gallons, \$3.50.

ANTROL

Kills Ants in the Nest

Quickly Kills Garden Pests

Science provides new and safe method that does the work without fuss. Cutworms, sow-bugs, grasshoppers, slugs, snails, earwigs, etc., are exterminated.



Snarol is a ready-prepared meal that you simply broadcast on the ground, under the vegetation. These pests eat the meal, and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling, and also is non-injurious to vegetation when used according to simple directions. These features distinguish it from ordinary controls, and make Snarol popular with professional gardeners and nurserymen. Prices—1½-pound packages, 35c; 4-pound packages, 85c; 15-pound bags, \$3.00; 50-pound bags, \$8.00.



SNAROL

Quickly Kills Garden Pests

NOTICE—SNAROL and ANTROL can be sent by Express only—Prices quoted are F. O. B. Rockford, Ill.

Protect Your Garden

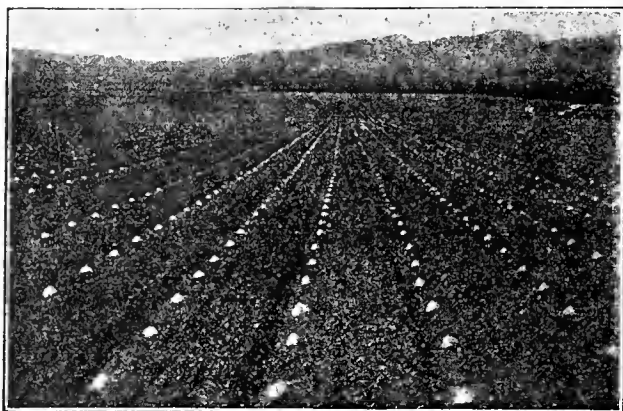
KALITE. It is a non-arsenical quick killing dust which controls most chewing insects on vegetables, more especially cabbage worms and beetles. It is economical, adheres well to foliage. The average requirements for most purposes run from 10 to 20 lbs. per acre. Prices: 1 lb. can, 35c; 5 lb. can, \$1.50, postpaid.

KALOIL. Is a non-poisonous free-flowing Pyrethrum Spray which contains its own spreader and, therefore, needs no soap. It always mixes readily with hard or soft water at all temperatures. Never clogs spray nozzles. Does not lose strength in storage, is non-inflammable and inexpensive. Kaloil is safe for all foliage when used as directed. Kills principally sucking insects, such as plant lice, thrips, white flies and mealy bugs. 1½ oz. makes 11 gallons maximum dilution. Prices: 1½ oz. can, 35c; 6 oz. can, \$1.00; 32 oz. can, \$3.85, postpaid.

KALO SPRAY. Is a non-arsenical spray for vegetables, flowers, fruits, including apples and peaches against eating insects such as worms and beetles. Can be mixed with Kaloil and fungicides containing no free lime. 1 lb. makes 50 gals. of spray. Prices: 1 lb. can, 50c; 4 lb. bag, \$1.80, postpaid.



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Protects Plants from Frost—Secure Earlier Crops

GERMACO HOTKAPS are patented wax paper cones that completely cover each plant—the only way to fully protect them from frost. They are an "individual hothouse for each plant," protecting them not only from frost, but from wind, rain, ground-crusting, and insects as well. This is your assurance of earlier, bigger crops, and early-to-market prices.

HOTKAPS are quickly and easily "set." One man can set over 2500 of them in a day. Thousands of progressive farmers in every state are now regular users of this modern crop necessity. They are getting bigger, hardier crops and great profits than ever before.

Write us today about this money-maker, or simply order your season's supply now.

Prices: 1,000 lots, \$9.75; 5,000 lots, \$9.60 per M; 10,000 lots, \$9.50 per M; Standard Steel Hotkap Setter, \$2.25; F. O. B. Rockford. 250 Trial Package, including composition Garden Setter with Tamper, \$4.00; 100 Home Package, including Garden setter with Tamper, \$2.50, paid to your home.



Kingsbury Garden Kit

This set of 4 tools is made of the finest steel, very sturdy and guaranteed against breakage in any garden work. Set complete as shown \$1.50 postage paid, or if you desire any one of the 4, sold at 40c each. Reading from left to right, Fork, Transplanting Trowel, Garden Trowel, and Cultivator.

SOFT AS KID—TOUGH AS IRON



National
Eezy Wear
Garden Gloves

A soft—pliable—ALL-LEATHER—dirt-proof glove for both MEN and WOMEN—specially adapted for general home use such as:

GARDEN AND LAWN WORK

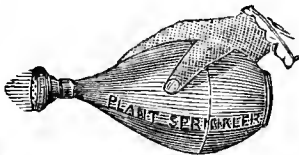
The unusual quality of extreme softness and pliability in this all-leather glove is the result of a special processing of a select imported leather.

As the name implies, these gloves are very EASY TO WEAR. So easy to handle objects and use the hands freely. And being all-leather, they are entirely dirt-proof and durable. Keep the hands clean and in excellent condition.

ECONOMICAL. The price is unusually low for an all-leather glove of these special qualities.

A size for MEN and WOMEN.

65¢ per pair Postpaid



PLANT SPRINKLER

Plant Sprinkler, \$1.50. Large size No. 1. Very nice for spraying plants as well as watering seedlings.



Cyclone Seeder

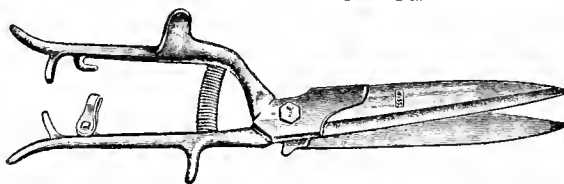
The Cyclone Seed Sower is the most widely known and used of all broadcast seeders. For more than 40 years it has been on the market; long ago it won recognition for the best machine for the purpose.

The bag of the seed container is made of heavy canvas and has a capacity of one-half bushel.

The feed control is quickly, easily, and accurately adjusted for different kinds of seed or to regulate the amount to be sown. The flow can be started or stopped instantly with the pressure of the finger. By Express, charges collect\$2.00 By Mail or Express, pre-paid\$2.35

WISS SHEARS

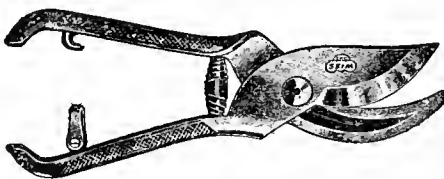
The Wiss Line of Shears for Gardening Is the Very Finest Manufactured



Wiss Grass Shears

The improved offset handles are an exclusive Wiss feature, designed for still greater comfort in operation. The thumb and finger rests are enlarged; the handles offset, and at an angle, avoiding cramping of wrists and chafing of fingers.

Full length 12½ in. Length of Cut 5½ in. Price, each, \$1.50, postage paid.



Wiss Pruning Shears

Light Pruner. With volute steel spring. Full length 9 in. Price, each, \$1.25, postage paid.

ROYAL MYSTIFIER SPRAYER

Note These Royal Features

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| 1. Unconditionally Guaranteed. | 5. Cleans itself of sand and dirt. | Price
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| 3. No moving parts. | 7. Fine penetrating mist. | |
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LANG'S HAND WEEDER

HANDIEST TOOL ON EARTH. 25¢ BY MAIL PREPAID

Temley's Watch-em-Grow

A clean, odorless powder, which will dissolve quickly in water. It can be easily applied to plants just as you ordinarily water them.

Complete instructions on each can. House plants readily respond to this food.

A little of this food goes a long way as it is highly concentrated. A rounded teaspoonful dissolved in a cup of hot water, then this poured into a gallon of cool water will provide a watering and food for a great many house plants or a fair sized bed out of doors. Flowers as well as vegetables out of doors will be greatly benefited if occasionally used during the growing season.

When a change of soil is made for potted plants mix a teaspoonful of Watch-em-Grow with a gallon of soil. The results are surprising. A can of this concentrated plant food should be in every home ready to feed plant life when they need it. 8 oz. can, postpaid, 50c.

Dusters, Sprayers and Spray Pumps

SMITH JUSTRITE COMPRESSED AIR SPRAYER

Galvanized Steel or Solid Brass Tank

The size of the JUSTRITE makes it very useful for spraying the garden, flower beds, shrubbery, and for spraying disinfectants and whitewash.

Tank is double seamed and well riveted to stand heavy pressure.

SPECIFICATIONS

Height—21 in. by 6 1/2 in.

Tank—Capacity, about 2 1/2 gallons. Heavy Galvanized Steel or Solid Brass, as ordered. Brass tank, highly polished.

Pump—Heavy seamless brass, 2 in. in diameter, with heavy Brass pump head and Brass check valve.

Hose Section—2 ft., best grade; Coil Spring.

Nozzle—Golden Automatic, Non-Clog.

Brass Extension—Heavy 18 in. Angle.

Shoulder Strap—For carrying over shoulder.

JUSTRITE SPRAYER, with solid brass tank, \$6.50 express collect.

JUSTRITE SPRAYER, with galvanized steel tank, \$4.25, express collect.

SMITH LIGHTNING COMPRESSED AIR SPRAYER

Some customers like the screw lock style pump head made from a heavy stamping with brass collar and with loose pump cylinder and to such we offer the LIGHTNING, which has these features.



The LIGHTNING will spray anything in liquid form and is easily operated by man or boy. It has no complicated parts to get out of order. All the principal working parts are of brass and the sprayer will last indefinitely if given a little care.

For spraying all insecticides, garden vegetables, plants, trees, shrubbery, flower beds, and for spraying white-wash, Carbola, disinfectants, and fly oil.

SPECIFICATIONS

Height—24 1/2 in. by 7 1/4 in.

Tank—Capacity, about 4 gallons. Made of heavy Galvanized Steel.

Pump—Seamless Brass, 1 1/4 in. in diameter, with Brass Pump Collar.

Hose Section—2 ft., 1/2 in., best grade.

Nozzle—Golden Automatic, Non-Clog.

Brass Extension—2-foot Angle.

Shoulder Strap—For carrying over shoulder.

Packed 1 in case. Shipping weight, 10 lbs.

LIGHTNING SPRAYER, with galvanized steel tank, \$3.75, express collect.



SMITH SAVAGE JUNIOR POWDER DUSTER

SPECIFICATIONS

Construction—Heavy Sheet Tin, nicely enameled red.

Dimensions—Gun, 24 in. long; length overall, assembled, 38 in.; diameter dust chamber, 3 in.

Filling—Large 2 1/2 in. opening. Dust chamber screws to pump.

Extension Tube—For dusting under side of leaves or at any angle.

SAVAGE JUNIOR POWDER DUSTER. \$1.35, postpaid.

SMITH DOUBLE BARREL DUST GUN



SPECIFICATIONS

Construction—Heavy Tin, nicely enameled red.

Length—13 1/2 in.

Filling—Large opening, with heavy screw cap, cork lined.

DOUBLE BARREL DUST GUN. 75c, postpaid.



SMITH BROADWAY POWDER DUSTER

SPECIFICATIONS

Construction—Heavy Sheet Steel, nicely enameled black.

Dimensions—Length, 23 in.; dust chamber, 6 1/2 in. by 6 in.; pump, 2 1/4 in.; nozzles, each 13 1/2 in. long.

Capacity—5 to 8 lbs. of poison, depending on density.

Nozzles and Extensions—3 furnished. For dusting under side of leaves on low or high grown plants.

For dusting directly down or straight ahead or at any angle.

Filling—Extra large opening, for quick and easy filling.

BROADWAY POWDER DUSTER. Shipping weight, 4 lbs. \$3.25, postpaid. \$2.75, Express collect.

SMITH HAND SPRAYERS



No. 3 (Quart Size) SPRAYER

All tanks and pump heads are double seamed, making these joints exceptionally strong and durable. Heavy material is used throughout and all sprayers are double tested.

Made in Tin or Galvanized Iron

with Plain Tin or Lithographed Pump.

Pump Chamber: 18 in. by 1 1/4 in.

Tank: 4 1/2 in. by 4 in.

Capacity: One quart.

No. 3—TIN SPRAYER. 75c, postpaid.

No. 3—GALVANIZED SPRAYER. 90c, postpaid.



No. 9 SPRAYER

Made in Tin only, with Plain or

Lithographed Pump.

Pump Chamber: 10 in. by 1 1/4 in.

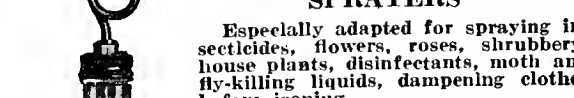
Tank: 3 in. by 3 in.

Capacity: About 3/4 pint.

Will not siphon. No drip cup necessary.

No. 9—TIN SPRAYER. 35c, postpaid.

SMITH BRONX BOTTLE SPRAYERS



Especially adapted for spraying insecticides, flowers, roses, shrubbery, house plants, disinfectants, moth and fly-killing liquids, dampening clothes before ironing.

Sprayer is made entirely of heavy brass, nickel-plated, and may be entirely disassembled for cleaning when desired; blue glass bottle. Furnished complete with bottle as shown, in pint or quart size as ordered.

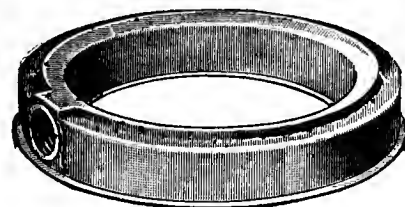
Nozzle throws powerful, large, broad mist. Long pump stroke, easy pumping.

Pint size bottle sprayer, with bottle. \$1.50, postpaid.

Quart size bottle sprayer, with bottle. \$1.75, postpaid.

Durability is insured by the long, smooth running double bearing, which is self-closing against leakage. Very strong, non-breakable, brass sprinkling arm, 10 inches long; has non-breakable malleable base. Height, 4 1/2 inches. \$1.25, postpaid.

Evergreen No. 79 Fountain Sprinkler



Throws a complete circle a long distance and to a great height, with a beautiful mist-like spray. Has four series of clean-cut holes which give perfect distribution. Under heaviest pressure cannot be forced apart.

Easily moved without shutting off water.

Highly finished.

Diameter, 8 1/2 inches. Height, 1 1/2 inches.

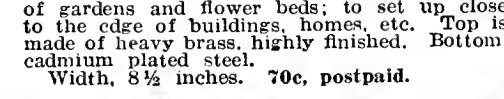
30c, postpaid.



Evergreen No. 80 Fountain Sprinkler

Throws water in a beautiful half circle. May be moved without getting wet. Very desirable for use along sidewalks; at the edge of gardens and flower beds; to set up close to the edge of buildings, homes, etc. Top is made of heavy brass, highly finished. Bottom, cadmium plated steel.

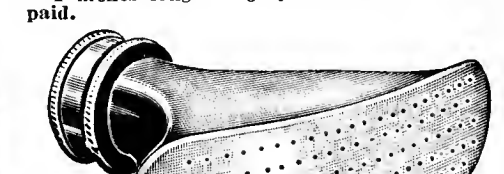
Width, 8 1/2 inches. 70c, postpaid.



Evergreen No. 81 Hose Nozzle

Each nozzle is tested on 100-pounds water pressure. Warranted to work perfectly—always dependable. Made to accurate gauges. Your nozzle trouble eliminated. Fine, wide spray. Coarse spray. Strong, solid stream. Complete shutoff.

4 inches long. Highly finished. 50c, postpaid.



Evergreen No. 82 Fan Shower Sprinkler

For hotbeds, greenhouses, gardeners, flowers, and delicate foliage. Throws a large, soft-like, fan-shaped shower.

Width of face, 4 1/4 inches. 65c, postpaid.



Evergreen No. 77 Revolving Sprinkler

Will sprinkle uniformly up to 50 feet in diameter, with 40 pounds pressure—2,000 square feet.

Heavy brass sprinkler nozzle with heavy brass perforated face.

Throws large, soft spray shower. Unsurpassed for hothouse and florists' sprinkling; watering lawns, vegetable and flower gardens, shrubbery, etc.

No. 73—3-INCH FACE, cast brass base. Each, \$1.00, postpaid.

No. 75—4-INCH FACE, cast brass base. Each, \$1.15, postpaid.

Evergreen No. 77 Revolving Sprinkler

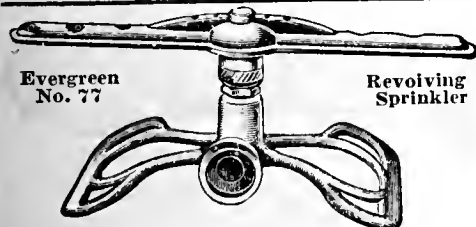
Will sprinkle uniformly up to 50 feet in diameter, with 40 pounds pressure—2,000 square feet.

Heavy brass sprinkler nozzle with heavy brass perforated face.

Throws large, soft spray shower. Unsurpassed for hothouse and florists' sprinkling; watering lawns, vegetable and flower gardens, shrubbery, etc.

No. 73—3-INCH FACE, cast brass base. Each, \$1.00, postpaid.

No. 75—4-INCH FACE, cast brass base. Each, \$1.15, postpaid.



Evergreen No. 77

Revolving Sprinkler

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SCUFFLE HOE

A very useful tool on the farm or in a garden. A long handle can be inserted. Two edge, draw and push. Each, by mail, 45c.

GARDEN SUPPLIES—Continued

**HAZELTINE'S
← HAND-
WEEDER**

A good, large, useful hand-tool, and is considered a desirable implement. Sure to please. By mail, only 25c.



GARDEN TROWEL, 20c

Handy tool in garden, or greenhouse.

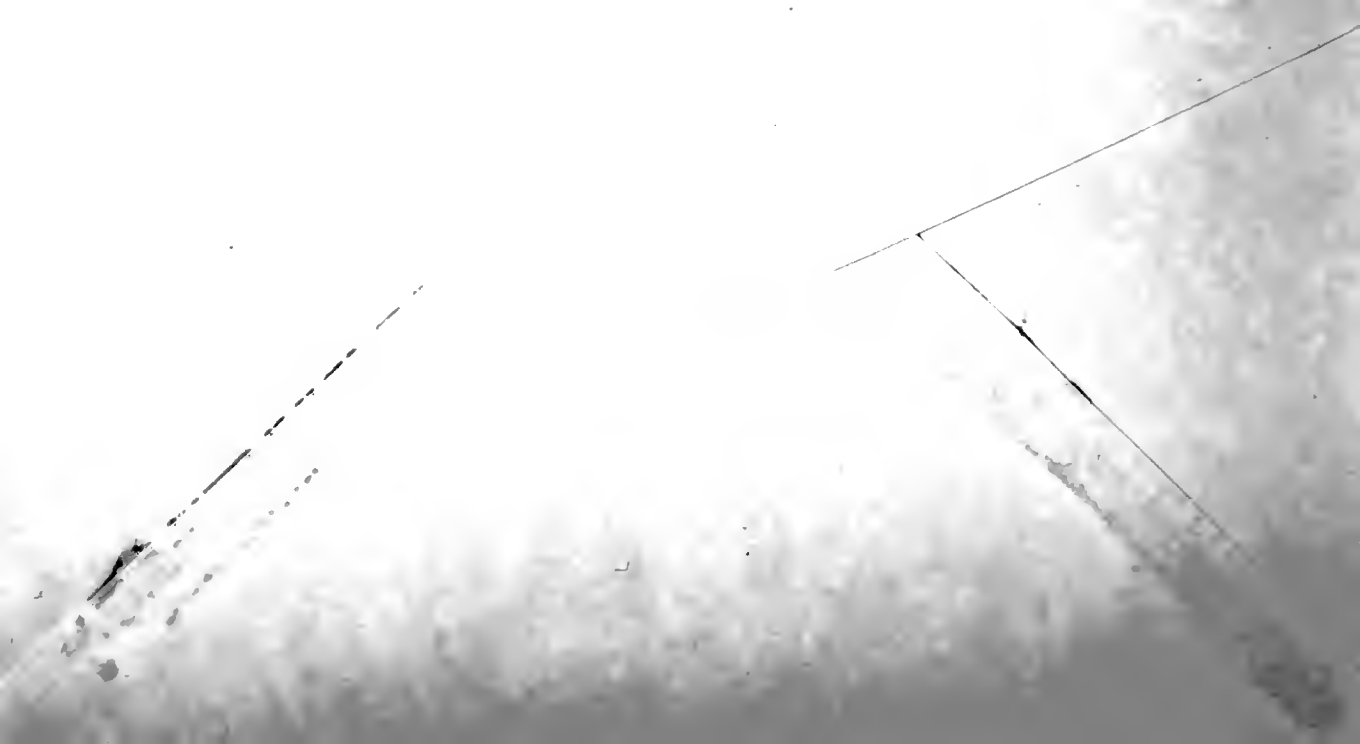
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R. H. SHUMWAY--SEEDSMAN

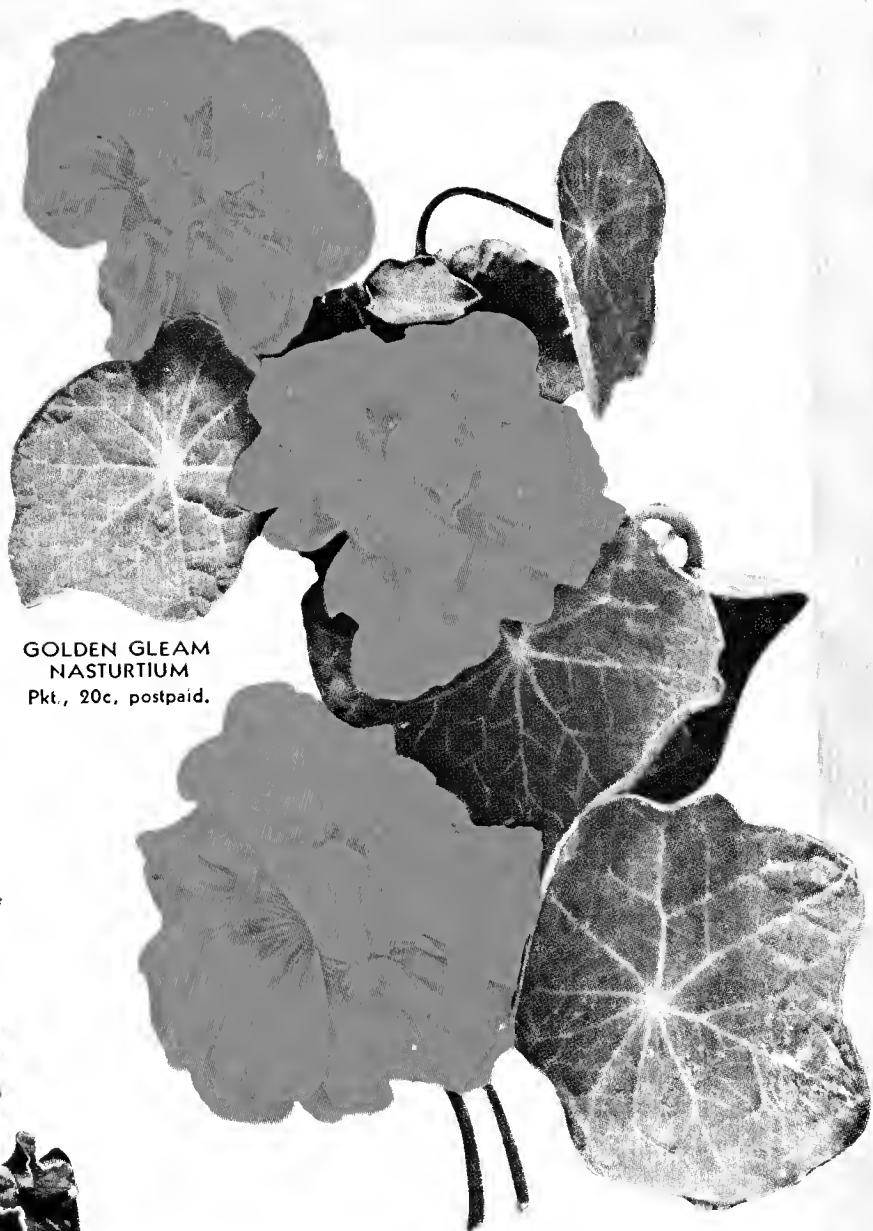
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ROCKFORD, ILLINOIS





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PANSY
Pkt., 20c; $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 90c;
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paid.



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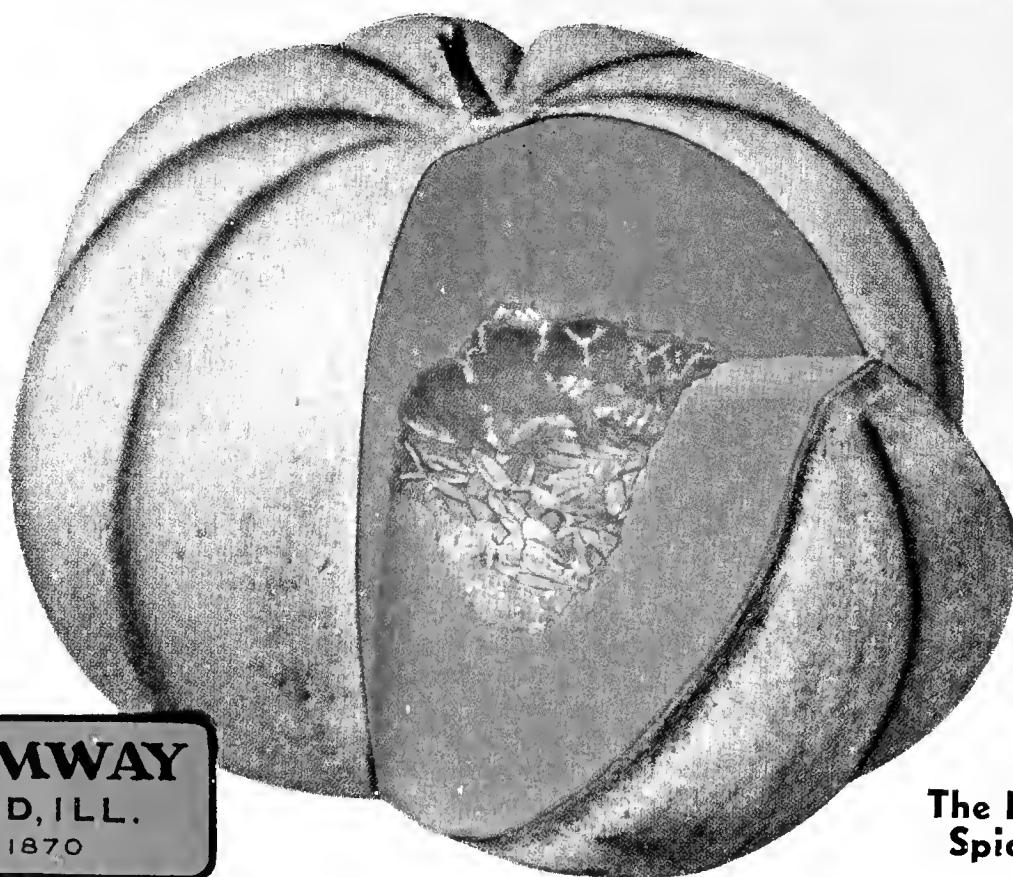


KLONDIKE WATERMELON

82 days. Originated in California, the Klondike has been perfected to the point where it can be produced with success everywhere except the extreme north. It is long and cylindrical, tapering slightly. Average weight is 25 lbs. The fruit is deep crimson and contrasts superbly with the dark green and white of the rind. A melon of the all-heart class, the Klondike has few seeds. The flesh is unequalled in texture and flavor. Size 16 by 10 inches. Pkt., 10c; oz., 15c; ¼ lb., 45c; ½ lb., 80c; lb., \$1.50; 5 lbs., \$7.00, postpaid.

SHUMWAY'S GIANT MUSKMELON

94 days. By careful breeding Shumway developed the Giant, largest of all melons, and not surpassed in eating quality by any. The fruit averages 12 to 15 pounds and specimens have been known to reach 25 pounds. It is round to slightly flattened in shape, deeply ribbed and lightly netted. The skin color passes from pale green to rich lemon as the fruit ripens. The salmon-orange flesh is 2½ inches thick, firm and fine grained. Although unsuited for shipping the Giant is admirable for local market and the roadside stand. Pkt., 10c; oz., 20c; ¼ lb., 60c; ½ lb., \$1.10; lb., \$2.00; 5 lb., \$9.00.



R. H. SHUMWAY
ROCKFORD, ILL.
FOUNDED 1870

**The Largest, Sweetest,
Spiciest Muskmelon**